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THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 139
Number 15

Schnell Publishing Company, Inc., Publisher

April 14, 1941

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Drug Corporations Subpenaed In German Influence Probe

OPD Washington Bureau
April 11, 1941

German relationships with American chemical, pharmaceutical, and other corporations are the subject of a sweeping investigation announced yesterday by the Antitrust Division of the Department of Justice, which charges that patent licensing and other agreements in such relationships constitute restraint of trade and violation of the antitrust laws.

Subpenas have already been issued by a Federal grand jury sitting in Newark, N. J., requiring several firms to produce their books and records before the grand jury. Companies subpenaed to date are the Schering Corporation, Bloomfield, N. J.; the Swiss Bank Corporation, New York; Sterling Products, Inc., New York; the Winthrop Chemical Company, New York; the General Aniline & Film Corporation, New York; Ciba Pharmaceutical Products, Inc., Summit, N. J.; Hoffman-La Roche, Inc., Nutley, N. J.

Additional subpenas will be issued for other companies shortly, the department revealed, and there are indications that the investigation may cover a large segment of the chemical and related industries. Each subpena calls for information relative to the respondent's dealings with any of about a hundred companies in Germany, France, Switzerland, Italy, and other countries—some in Latin America—as well as the United States.

Production, Exports Involved

The investigation is the result of complaints lodged with the Department of Justice charging that certain German interests have entered into agreements with American firms to

—*Continued on page 39*

A.M.A. Appeals Conviction as 'Trust'

OPD Washington Bureau
April 9, 1941

Arguments on three motions filed by counsel for the American Medical Association and the District of Columbia Medical Society following the conviction late last week of the two groups on charges of conspiring to violate the Sherman antitrust law will be heard in the United States Court for the District of Columbia after the Easter recess ending April 21.

The first two of these motions, requesting that the verdict of guilty be set aside and judgment be made for the defendants and to arrest judgment, are designed to obtain a verdict for the two medical associations without going through a new trial; the third motion asks the court to grant a new trial.

The original case resulted in a split verdict just before midnight April 4 in which the associations were found guilty of violating section 3 of the Sherman act, while the eighteen individual doctors jointly named in the indictment were acquitted. A penalty of one year's imprisonment, $5,000 fine, or both is provided in the law.

The case involved charges of conspiring to restrain trade with respect to Group Health Association, a cooperative association for Federal employees.

The motions of defense counsel are based on the theory that, if the individuals who were agents of the medical corporations and as such committed the acts upon which the case was based, are not guilty of com-

—*Continued on page 54*

Price Control Powers Conferred on Henderson

OPD Washington Bureau
April 11, 1941

President Roosevelt today issued an executive order establishing the Office of Price Administration and Civilian Supply in the Office for Emergency Management and on a par with the Office of Production Management.

Leon Henderson will be appointed administrator, and the new office will include his old price-stabilization division and also Harriet Elliott's consumer division of the National Defense Advisory Commission.

The order gives the administration a long list of powers, including power to prevent price-spiraling, profiteering, inflation, hoarding, and speculation; to plan for civilian distribution of materials not needed for defense; to determine maximum prices, commissions, margins, and other elements of cost of commodities; to establish standards for consumers goods; to stimulate use of substitutes; and to advise the President on the use of his power to confiscate factories under the selective service act.

Mr. Henderson took his first wallop today at dealers in cadmium, threatening them with drastic action if they did not stop profiteering.

N.A.M. Recommends Conservative Stockpiles

In the congressional investigation of military affairs April 7, John D. Biggers, production chief in the Office of Production Management, criticized the "selfish practices" of some manufacturers in accumulating unnecessarily large stocks of materials needed for defense production and likely to be subjected to priorities. The next day, the national defense committee of the National Association of Manufacturers pronounced against the hoarding of critical materials and urged cooperation among industries and with government to the end that replacement materials might be introduced and full availability might be developed with

—*Continued on page 55*

Paint Problems Unit Set Up in OPM

OPD Washington Bureau
April 11, 1941

Specific problems of the protective coatings industry arising from the defense program will be analyzed by subcommittees now being set up as a guide to the Protective Coatings Section of the Office of Production Management, Donald M. Nelson, Director of the Purchase Division, announced today.

The thirteen subcommittees which will be formed under the new set-up will include representatives of manufacturers of protective coatings and technical experts from raw materials manufacturers and from the government. The organization plan was

—*Continued on page 45*

Chemicals from Fats

By A.W. Ralston, B.S., M.A., Ph.D.
Armour & Co.

Summary of Address at April, 1941, meeting of American Institute of Chemists

The utilization of the fats is a problem not only of profound scientific interest but also of considerable economic importance. Unlike other natural resources the fats are essentially inexhaustable. Fresh supplies of fats are produced annually, and the supply can be controlled and regulated.

Man has used the fats as a source of food since his origin. Primitive man also found them to be an answer to many of his problems, and they served him as a source of heat and light, as detergents, as lubricants, and in many other capacities.

In most cases the fatty acids comprise over 90 percent of the weight of the fat molecule. In spite of our long acquaintance with the fats, it is only comparatively recently that the chemist has recognized these fatty acids as a starting material for the preparation of many valuable and useful chemicals. Many compounds heretofore either unknown or of academic interest only have already been developed from these fatty acids. The chemical conversion of the fatty acids to compounds having specific uses is a problem which is receiving more and more attention from the scientific world.

The First Step

The use of the fatty acids as a starting point in chemical synthesis generally requires that they be separated either into individual acids or into a mixture of acids having common properties. This has recently been accomplished by fractional distillation under reduced pressures in specially designed stills.

Treatment of the fatty acids with ammonia results in their conversion to nitriles. These nitriles are important chemical intermediates and many important industrial chemicals have been and will be prepared from them. One of these nitriles, lauronitrile, is a powerful insect repellent, many times more effective than oil of citronella. Experiments have shown that it prevents many kinds of insect damage when used as a repellent upon agricultural crops and it offers a new method of combatting many types of insect pests.

—*Continued on page 49*

Commerce Bureau Reforming Divides Chemical Services

OPD Washington Bureau
April 7, 1941

Details of the reorganization of the Bureau of Foreign and Domestic Commerce, designed to increase the services of the bureau to both government and business, were outlined by Carroll L. Wilson, newly appointed director, at a meeting of his entire staff this week.

Simplification of executive direction and intensification of effort in gathering, analyzing, interpreting and disseminating facts concerning national economy will result from the five major organizations which will take the place of the more than thirty present divisions of the bureau, Mr. Wilson explained.

Secretary of Commerce Jesse H. Jones previously announced the formation of five new major divisions in the bureau as follows:—(1) Research and statistics, (2) industrial economy, (3) regional economy (4) international economy, and (5) commercial and economic information.

Mr. Wilson's announcement was made to clarify the lines of effort for each employee under the new setup. He explained that offices are being reassigned in order to locate groups which are working together in the same offices. While some 200 employees will be affected by the reshuffling, Mr. Wilson said, practically all of these will be retained by the bureau.

Industries in Subdivisions

Under the Division of Industrial Economy, headed by Robert F. Martin, eight division heads, including the head of the chemical division, have been made "industrial consultants" to work closely with the industries with

—*Continued on page 62*

Patent Control Bill Backed as Defense Need

OPD Washington Bureau
April 8, 1941

Hearings on two major bills designed to strengthen governmental control over patents and to protect the defense program from difficulties arising from patent holdings will be resumed before the house patents committee April 22.

Both measures are being strongly backed by the war, navy, and justice departments, as well as the Commissioner of Patents. Special reports on the two bills are now being prepared by the war and navy departments for submission to the committee later this month.

Under the provisions of companion bills (H. R. 3359 and S. 894), introduced by Representative Fritz G. Lanham of Texas and Senator Homer T. Bone of Washington, the filing of a patent application or the registration of a utility model, industrial design, or model in any foreign country without first obtaining a license from the Commissioner of Patents would be prohibited under penalty of a $10,000 fine, imprisonment of up to two years, or both.

The second of the proposed measures (H. R. 3360), introduced by Representative Charles Kramer of California, and (S. 1132) by Senator Millard F. Tydings of Maryland, would prohibit issuance of injunctions for any alleged patent infringements if such injunctions would be likely to cause any delay in the defense program.

The Kramer-Bone bill is in the form of an amendment to a law, approved

—*Continued on page 40*

Closing Markets

Barium Nitrate Higher

Price advanced 1c., ranging from 9½c. to 10½c. per pound. Demand was good, and market position was strong. No change occurred in other barium derivatives.

Vanilla Beans Rise

Quotations on vanilla beans rose to $10 to $11 per pound for whole Mexicans; cuts, $9 to $9.50. No open market offerings of Bourbons were noted. Tahiti beans quoted $5.25 to $5.50 as to quality. Excellent demand finds the market stocks far under normal. Chances for importing from the French Islands were still poor, though the effort has been resumed by local dealers.

Commodity Markets Closed

The New York Produce Exchange, Chicago Board of Trade, Duluth, Minneapolis and Winnipeg flaxseed and the Savannah naval stores markets remained closed Good Friday. They will reopen today.

Paints for Concrete Developed by Hercules

Paints which will stand up on concrete, masonry, stucco and plaster can be prepared from 'Parlon,' a new paint base, developed by the Hercules Powder Company, Wilmington. The paint base is available to all paint manufacturers for their own formulations.

A protective coating of chemical composition different from ordinary paint is produced from the new base, consisting of chlorinated rubber and resins dissolved in a solvent with a plasticizer. Applied to cement, concrete, brick, stucco and plaster on outside or inside walls, ceilings, and other surfaces, the paints have held up even under severe service conditions, the company reports.

'Parlon' is produced by the chlorination of rubber. The chlorine reacts directly with the rubber to form compounds whose properties are intermediate between those of rubber and the natural resins.

Characteristics of the 'Parlon' paints are resistance to acids and alkalies: water permeability (Gardner method III) of .0000008 or 0.8 by 10-6; water absorption (80 percent relative humidity for 24 hours) is 0.27 percent and the Sward hardness index is 90 percent that of glass.

'Parlon' finishes can be applied by spraying or brushing. The surface must be prepared by cleaning, derusting, removal of grease and drying.

Wholesaling Held Part Of Interstate Commerce

OPD Washington Bureau
April 7, 1941

Wholesale distribution of goods which have crossed a State line is an operation covered by the fair labor standards act according to the opinion of Judge R. L. Russell in the United States District Court for the Northern District of Georgia. This decision upholds the position of the Wage and Hour Division of the Department of Labor in its first test before a Federal court, says Philip B. Fleming, Wage and Hour Administrator.

Judge Russell granted the Wage and Hour Division an injunction against Alterman Brothers, wholesale grocer, Atlanta, enjoining further noncompli-

—*Continued on page* 46.

Peanut Marketing Quota Referendum April 26

OPD Washington Bureau
April 9, 1941

Secretary of Agriculture Claude R. Wickard today proclaimed marketing quotas on peanuts for the 1941 crop and called a referendum among peanut growers for April 26.

The proclamation was provided for by Congress in a recent amendment to the agricultural adjustment act of 1938. The national quota for 1941 is the amount of peanuts which will be harvested from the national acreage allotment, set by law at 1,610,000 acres. This is the same as the peanut acreage allotment under the 1940 Agricultural Conservation Program.

Provisions of the 1941 agricul-

—*Continued on page 49*

Chemical Prices Sent Higher

The general average of prices in the markets for heavy and fine chemicals got a substantial boost last week. The influences were traceable to paucity of alien materials. In some instances the higher prices were more of academic than of commercial interest because quite satisfactory substitutes for the articles effected were available. Chemicals, in the popular sense of the term, were not among the commodities upped in price.

In the major industrial sections business moved at a steady, somewheres increasing pace. Tightness of supplies was in evidence here and there, and there remained some uncertainty in respect of labor. The establishment of a U. S. price control office presented a new puzzle.

Prices were advanced on domestic egg yolk and albumen, gambiers, domestic potato dextrin, powdered quebracho extract, wattle extract, domestic tankage and dried blood, codliver oil, blackstrap molasses, casein, gum rosin of light and medium colors, gum turpentine, cocoa butter, and cottonseed meal in the Southeast.

The price of thiamine hydrochloride (vitamin B_1) was reduced.

The REPORTER's composite index number of prices for heavy and fine chemicals went up to a new high of 131.9 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 93.4, compared with 91.1 at this time last year and 88.8 in 1939.

Contents of This Issue

News and Statistics

Advertising Use of U. S. Flag Attacked 4
Antitrust Probe Fund Increased $909,000 55
American Can Boosts Paints..... 45
Army Paint Pigments Offered by C. K. Williams..... 44
Atropine Exports on General License 5
American Chemical Society Meeting 5
A.M.A. Appeals Conviction as Trust 3
Balto. Club Hears Talk on Synthetic Resins..... 45
Behre Named Economic Geology Professor at Columbia..... 62
Burwell Awarded 1941 Schoellkopf Medal 40
Cleveland Paint Technicians to Hear About Gums 44
Coty Inc., Names Whalen Board Chairman 60
Commerce Bureau Setup Divides Chemical Services..... 3
Chemicals from Fats: A. W. Ralston 3
Climax Molybdenum Sales Up..... 32
Drug Firms Subpenaed in German Influence Probe..... 3
DCAT Questionnaire Seeks Draft Data 53
Effective Association Functioning Essential (Donovan) 5
Fertilizer Industry Readies Trust Defense 5
F.T.C. Order Hits Glucose By-Product Price List..... 55
General Dyestuff Offering New Red and Black Blue 37
Huisking & Co. Offering New Vitamin Oils..... 58
Industrial Alcohol Tax Differential Furthered 5
Light Steel Drums For Gasoline Export 5
Lance Creek Oil Lease Awarded to Cilebur Corp..... 62
Laboratory Water Still Improved by Stokes Co..... 58
McK. & R. Final Date for Accepting Plan Set..... 55
McDaniel Joins Vick..... 53
M.C.A. Distributing Chart on Oleum Freezing Paint..... 66
N.P.V.L.A. Advertising Program Deferred 5
N.A.M. Recommends Conservative Stockpiles 3
National Can Elects..... 53
N. Y. Fertilizer Law Changed..... 62
National Petroleum Assn. to Meet April 23-25..... 4
N. Y. Paint Club Slate Headed by Leo Roon..... 4
Oleovitamin Offered by Gunning & Gunning 54
Paint Federation Contest Ends June 30..... 45
Paint Problems Unit Set Up in OPM 3
Price Control Powers Conferred on Henderson 3
Patent Control Bills Backed as Defense Need..... 3
Philipp Brothers Names New General Manager..... 4
Peanut Marketing Quota Referendum April 26..... 4
Paint for Concrete Developed by Hercules 4
Resin Glues Discussed..... 44
Smith Enters Business 5
Steel Barrel Output Off..... 46
Soybean Standards Conferences Set. 55
Sharp & Dohme Adds Lyons, Burbidge to Staff..... 53
Standard Brands Honors Friedman, Burkart, Bird..... 58
South America Promising..... 58
Textile Chemists to Hear Talk on Costs Apr. 25..... 37
Tin Conservation in U.S. Planned... 5
Vitamins Role in Foodstuffs Described in Merck Booklet..... 54
U. S. Air Bases Needs Imported Duty-Free 37
Wholesaling Held Part of Interstate Commerce 4

General Features

Advertisers' Index..... 67
Bids Wanted 66
Chemical Price Trends..... 4
Classified Advertisements..... 66
Closing Market Developments.... 4
Contracts Awarded..... —
Corporation Earnings..... —
Dividends Declared..... —
Editorials 28
Foreign Trade Openings..... 65
Foreign Trade Rules..... 65
Industrial Uses of Chemicals..... 36
Obituaries 60
OPD Forum..... —
Prices Current..... 7
Scientific, Professional Services.. 46
Trade News Briefs..... —
What You Can Use..... 49
Where You Can Sell..... 36

Market Reports

Botanical Drugs, Spices, Gums... 57
Coaltar Chemicals..... 38
Drugs and Fine Chemicals..... 51
Dyestuffs, Textile and Leather Chemicals 37
Essential Oils and Aromatics.... 59
Fertilizer Materials..... 63
Heavy Chemicals..... 30
Oils, Fats and Waxes..... 47
Paint, Varnish and Lacquer Materials 41
Petroleum Products..... 61

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... —
Exports 65
Imports 64
Imports Detained..... 65

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Philipp Brothers Names New General Manager

Willis J. Kramer has been appointed general manager of the chemical department of Philipp Brothers, Inc., chemical manufacturers, importer and manufacturers' agent, with

Willis J. Kramer

executive offices in 70 Pine street, this city. Mr. Kramer succeeds George F. Smith, who has resigned.

Mr. Kramer, prominently identified with the sale of chemicals, was for thirteen years with General Chemical Company, a subsidiary of the Allied Chemical & Dye Corporation, and for a number of years their Eastern dis-

—*Continued on page* 46

National Petroleum Ass'n To Meet April 23-25

OPD Washington Bureau
April 11, 1941

National defense will be the theme at the thirty-eighth semi-annual meeting of the National Petroleum Association, to be held April 23-25 at Cleveland. Among the speakers scheduled are P. M. Robinson, of the petroleum unit of the Office of Production Management; E. DeGolyer, well-known petroleum engineer; Nelson A. Rockefeller, who will discuss mutual interests of the Western Hemisphere; Lauren D. Lyman, assistant to the president of the United Aircraft Corporation, and Brinley Thomas, who will present an explanation of Britain's battle.

N.Y. Paint Club Slate Headed by Leo Roon

Leo Roon, of the Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J., has been nominated for the presidency of the New York Paint, Varnish and Lacquer Association. C. Francis Beatty, of the Socony Paint Products Company, current president, has been chosen candidate for the vice-presidency. Louis Gillespie, of the Gillespie-Rogers-Pyatt Company, and Hendrick E. Hendrickson, of S. Winterbourne & Co., have been named for re-election as secretary and treasurer, respectively.

The nominating committee of the club has named the following as can-

—*Continued on page* 45

Advertising Use of U.S. Flag Attacked

A bill prohibiting the use of the United States flag for advertising purposes and punishing, defacing, defiling, and defying of the flag has been passed by the Senate of the United States. The measure is pending in the House. It provides as follows:—

That any person who, (1) in any manner, for exhibition or display, shall place or cause to be placed any word, figure, mark, picture, design, drawing, or any advertisement of any nature upon any flag, standard, colors, or ensign of the United States of America; or (2) shall expose or cause to be exposed to public view any such flag, standard, colors, or ensign upon which shall have been printed, painted, or otherwise placed, or to which shall be attached, appended,

—*Continued on page* 46

Light Steel Drums For Gasoline Export

OPD Washington Bureau
April 11, 1941

The use of single-trip, light steel drums for the exportation of gasoline and other inflammable liquids has been authorized by the Interstate Commerce Commission in a series of amendments to regulations for the shipment of explosives and other dangerous articles (docket No. 3666). Nominally effective July 1, the new regulations may be used prior to that time if desired.

Regulations of the Bureau of Marine Inspection and Navigation, published in *Federal Register* January 11 to 18 and effective April 9, authorize use of Min-20 light steel single-trip drum for gasoline and other inflammable liquids flashing below 20 degrees, but only on freight vessels and only on deck stowage.

New I.C.C. regulations authorize use of old 17-E drum for export of inflammables or in transportation to shipside in carload or truckload lots, and also authorize new 17-X drum for same purpose, which is identical with Min-20 and differs from 17-E in head convexity and chime construction to save 2 percent stowage space. Such drums may be shipped by rail or truck only to shipside and when destined for export.

—Continued on page 62

Tin Conservation In U.S. Planned

OPD Washington Bureau
April 9, 1941

Conferences between tin manufacturers and the conservation unit of the Office of Production Management have been scheduled for April 16 in the first step under a newly devised plan to conserve essential defense materials through voluntary cooperation between manufacturers, merchandisers and the public. Robert E. McConnell, chief of the unit, explained that questions concerning non-essential civilian uses of tin can containers in which a reduction might be effected with the least hardship in the event that an emergency creates a tin shortage will be discussed at the meeting. Other problems which will be considered are possible substitutes that might be utilized to accomplish reductions in the use of tin, changes that would be necessary in related industries if the consumption of can manufacturers were reduced by various percentages, and general suggestions for other solutions of the problem.

Following this meeting, Mr. McConnell has requested a group of the larger merchandisers to send representatives to confer with him on April 17 with regard to the possibility of reducing civilian consumption of all articles made from critical and strategic materials in which shortages might develop.

Possibilities of conservation by voluntary cooperation will also be explored in connection with other vital materials, including aluminum, nickel, 'neoprene,' tungsten, zinc, chromite, graphite, manganese, quartz crystals, rubber bauxite and copper.

—Continued on page 31

Atropine Exports On General License

OPD Washington Bureau
April 8, 1941

Individual licenses will not be required for the exportation to Canada or to Great Britain and Northern Ireland of atropine and belladonna and certain other articles and materials proclaimed February 25 subject to export control. A notice has been sent to Collectors of Customs by the Department of State and made public by the Department of Commerce, advising that general licenses have been issued for such shipments.

Exporters are required to insert the code symbol and number of the general license on the shipper's export declaration. The symbols and numbers assigned to atropine are GCI 1 for Canada and GCI 2 for Great Britain and Northern Ireland. For belladonna the identifications are GCH 1 for Canada and GCH 2 for Great Britain and Northern Ireland.

George F. Smith Enters Business on Own Account

George F. Smith resigned April 1 as vice-president and general manager of Philipp Brothers, Inc., this city, in order to enter business on his own account as a manufacturers' agent. He has opened offices in the Lincoln Building, this city.

© World Wide

George F. Smith

Born in College Point, L. I., Mr. Smith graduated from Colgate University in 1910. He served as assistant works manager for McKesson & Robbins, Inc., and later was a chemist

—Continued on page 40

Industrial Alcohol Tax Differential Furthered

Representative Estes Kefauver spoke recently in Congress in furtherance of his bill (H.R. 3383) to give alcohol for other than beverage use a favorable differential in Federal revenue tax. This reviving of congressional interest in the measure led James P. McGovern, who was counsel for the former Industrial Alcohol Institute and the Council of Industrial Alcohol Users, to offer Representative Kefauver some more ammunition for his fight.

In suggestion and supporting fact, Mr. McGovern wrote the congressman as follows:—

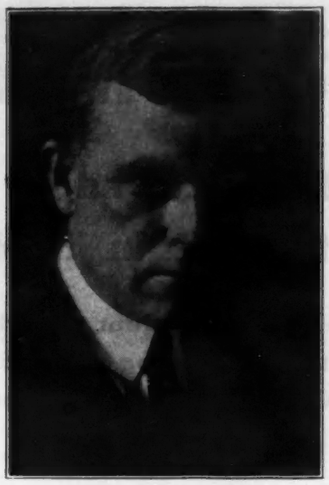
I have read with interest your pre-

—Continued on page 56

Chemical Society Discusses National Defense Problems

St. Louis, Mo., April 10

National defense problems related to food and nutrition, health and medicinal chemistry, production of industrial chemicals, and development of synthetics featured the 101st meeting of the American Chemical Society here last week and which was attended by nearly 4,000 chemists.



E. R. Weidlein

More than 400 papers and addresses in seventeen major fields were delivered at sixty-six sessions with Dr. E. R. Weidlein, director of the Mellon Institute of Industrial Research, Pittsburgh, Pa., and a former president of the society opening the meeting with an address on "Chemistry and Its Importance to National Defense."

The chemical division of the Office of Production Management intends to provide sufficient raw materials to operate every munitions plant at full capacity twenty-four hours a day and 365 days a year, Dr. Weidlein declared.

The public has been far more interested in the airplane, tank, and shipbuilding projects and has given scant thought to the fact that we would not make much progress in either a defensive or offensive war without the necessary raw materials and munitions, Dr. Weidlein said. The OPM chemical group is considerably ahead of schedule, Dr. Weidlein reported, urging chemists not to overlook for a moment "the gigantic, the almost alarming, dimensions of the job that is cut out for us."

Nitrogen Problem Serious

Nitrogen is the most serious problem faced by the chemical group, according to Dr. Weidlein. While the petroleum industry will be able to supply every foreseeable demand for petroleum and its products without requiring any government funds or advance government contracts, he warned that, in the event of a naval war in the Atlantic which might result in the loss of some tankers and necessitate the use of a convoy system, there would undoubtedly be serious difficulty in supplying civilian requirements on the east coast.

Throughout 1941 the United States will be able to meet all the nitrogen demands of the defense program together with the needs of the industries and agriculture, Dr. Weidlein explained. The government through the industries has constructed three new synthetic nitrogen plants and, as a form of additional insurance, imports of soda nitrate have been increased substantially from Chile. Dr. Weidlein continued:

The nitrogen balance of the country depends on the supply side mainly from the production of synthetic nitrogen and of by-product ammonia and on imports of soda nitrate from Chile. There is a small amount of cyanamide imported from Canada, but we cannot rely upon

—Continued on page 32

Fertilizer Industry Readies Trust Defense

OPD Washington Bureau
April 11, 1941

The Federal court in Winston-Salem, N. C., overruled April 8 a plea in abatement filed by several fertilizer companies indicted by grand jury February 10 contending that jury was not legally in existence on that date. A government motion to impound records was upheld as to documents used or referred to before the grand jury, and defense counsel may have access to them; but other

—Continued on page 62

N.P.V.L.A. Advertising Program Deferred

OPD Washington Bureau
April 7, 1941

Soliciting of subscriptions to its proposed campaign of cooperative advertising for the paint industry has been deferred for the time being by the cooperative advertising committee of the National Paint, Varnish and Lacquer Association.

In a communication to members of the association the committee explains its action as follows:—

At a meeting of our committee, held on April 3, it was the judgment of the members that in view of the national defense situation which has developed so rapidly in the last few months, and which now transcends in importance everything else in a business way, active solicitation of subscriptions to the proposed advertising campaign should be held in abeyance until this Fall, at which time the matter will be considered again in the light of then existing conditions.

The committee is reluctant to take this position, but feels that the circumstances make it advisable, notwithstanding the ever-present necessity for promoting and developing the markets for our products for the future.

In advising the industry with regard to this conclusion, the committee respectfully suggests that each manufacturer bear this matter in mind this Summer and Fall when preparing his 1942 advertising budget and give consideration to including a provision for such a commitment in such budget.

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.
Trade Association Counselor

VII. Business Ethics for Antitrust Law Observance

(Continued from April 7 issue)

Possibilities of Violations

Courts have frequently announced that each case must be determined upon the particular facts disclosed by the record, and opinions in every case must be considered in the light of their facts and with a clear recognition of the essential differences in the facts of those cases and in the facts of any new situations to which the rules of earlier decisions are to be applied.

Every agreement or concerted action with respect to prices or production, whether reasonable or unreasonable, is illegal, of course. There is grave danger, however, in merely accepting the general principle that any concerted action is unlawful which operates to restrain the freedom of action of members of trade associations who buy and sell, without giving due consideration to the more important qualifying provisions. It is the danger of unwittingly becoming involved in tacit agreements which confront trade association executives and members in their efforts to be of beneficial assistance to their industries. To avoid the possibility of such happenings, trade association executives and members should present to their legal counsel for review every act and circumstance involved in the prosecution of each industrial endeavor through the medium of the trade association.

There is no question about the desirability of stabilizing trade and industrial conditions. One method of accomplishing this end is the control of production which inevitably influences prices. The stabilization of price, however, is not unlawful in and of itself, provided it is not brought about by the direct or indirect result of concerted action of an industry. The Supreme Court of the United States has stated that legitimate uniformity of price may result from the exercise of the individual judgment of businessmen acting independently of each other. Knowledge of supplies of available merchandise tends to prevent overproduction and to avoid the economic disturbances produced by business crises resulting from overproduction. But, the general effect of the acquisition of wider and more scientific knowledge of business conditions on the minds of individual businessmen engaged in commerce, and its consequent effect in stabilizing pro-

—Continued on page 66

POTASSIUM BICARBONATE

Manufactured by MALLINCKRODT
AVAILABLE in TONNAGE QUANTITIES

Mallinckrodt Potassium Bicarbonate is an excellent quality product, fully meeting the U. S. P. specifications. The following physical forms are available for prompt shipment from stock:

POTASSIUM BICARBONATE U.S.P. XI GRANULATED
About No. 30 Mesh

POTASSIUM BICARBONATE U.S.P. XI POWDERED
About No. 80 Mesh

POTASSIUM BICARBONATE U.S.P. XI . . . Finely Granulated
About No. 50 Mesh

POTASSIUM BICARBONATE A. R. GRANULATED

Special meshes available to meet specification of individual manufacturers

Send for samples and prices

Bottle or Barrel
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

Mallinckrodt Street
St. Louis, Missouri

74 Gold Street
New York, N. Y.

CHICAGO PHILADELPHIA MONTREAL TORONTO

RECEIVED APR 14 1941 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

April 11, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works.....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP,cryst., bbls., 2,000-lb. lots.lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M)
Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
50%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CB, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks.....100 lbs. 5.50 - —
USP XI, al. dms.....100 lbs.10.25 -11.00
CP, dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43
Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd. at destination in the following States:—Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore. and Calif., prices are f.o.b. works, frt. equalized.
Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls., lb. .40 - —
Adipic, fib, dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 2.00 - 2.25
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, frt. alld..ton.93.50 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
99 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld..ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld.. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.11.80 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .15 - .15½
Caproic, dms., works.....lb. .25 - .30
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16 - .16½
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¾- —
l.c.l., 5 tons, dlvd. N.Y. lb. .15¾- —
smaller quantities, dlvd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .26½
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ¼c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.
Cleve's bbls.....lb. .65 - —
Coconut oil, dist., dms.....lb. .12½- .13
Cottonseed oil, dist., dms....lb. .08¼- .08⅝
tanks.....lb. .07⅝- —
Cresylic (cresitar), high-boil, 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East U.S..gal. .48 - —
l.c.l., same basis.....gal. .49 - .50
tanks, dlvd., East. U.S.gal. .439 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .54 - —
l.c.l., same basis....gal. .55 - .56
tanks, dlvd., East. U.S.gal. .498 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works.....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots, bbls., dms..lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
NF VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. dimijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., concentrated, 34%, cbys....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30% djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works..... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12⅛
Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 19, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¾- .14½
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms....lb. .13½- .14
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .14¾- .15½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Muriatic, dist, dms.....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06¼ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09¼ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10¼ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 2.15 - —
50-lb. cns.....lb. 2.25 - —
25-lb. cns.....lb. 2.50 - —
5-lb. bots.....lb. 2.46 - —
1-lb. bots.....lb. 2.50 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11¼- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. or over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .08½- .09
tanks.....lb. .08 - —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylactetic, bots.....lb. 1.50 - 1.95
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns.....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .22 - .27
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .11¾- .12¼
Stearic, dist., double pressed, bgs., dlvd..lb. .11¾- .12¾
single pressed, bgs., dlvd..lb. .11¼- .12¼
triple pressed, bgs., dlvd..lb. .14¼- .15½

Acid, stearic, saponif., double pressed, bgs., dlvd..lb. .12 - .13
triple pressed, bgs., dlvd..lb. .14¾- .15¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06¼- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls. 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities...lb. .64 - —
kgs.....lb. .64½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vial.....vial. 1.00 - —
cryst., bots.....oz.42.00 - —
vial.....vial. 1.00 - —
Acrylonitrile, dms., c.l.....lb. .84½- —
5,000 lbs. or more.....lb. .85 - —
1 ton to 4,999 lbs.....lb. .85½- —
1 dm. to 1 ton.....lb. .86 - —
tank cars.....lb. .84 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .80 - .85
powd., dms., bbls.....lb. .85 - .90
import, cs.....lb. No price
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt.alld..lb. .121 - —
l.c.l., frt. alld.....lb. .131 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., works.lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .08 - —
drums.....lb. .08 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld....lb. .09½- —
secondary, dms., c.l., frt. paid lb. .08¾- —
l.c.l., same terms.....lb. .08¾- —
tanks, same terms.....lb. .07¼- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .12½- —
tanks.....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .82½- —
l.c.l., works, dms.....gal. .87½- —
tanks, E., works.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .82 - —
19 bbls., E. works...gal. .84 - —
1 to 18 bbls., E. works, gal. .87 - —
dms., c.l., E. works..gal. .81 - —
19 dms., E. works....gal. .83 - —
1 to 18 dms.....gal. .86 - —
tanks, E. works.....gal. .25 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E., gal. .28½- —
19 dms., works, E....gal. .30½- —
1 to 18 dms., works, gal. .33½- —
tanks, E. works.....gal. .22½- —

Alcohol—Bismuth Subcarb.

Alcohol, denatured, SD23G, works, E., c.l., dms..gal. .34½- —
19 dms.....gal. .35½- —
1 to 18 dms.....gal. .35½- —
tanks .....gal. .33½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .32 - —
20 dms., to c.l.....gal. .34 - —
1 to 19 dms.....gal. .37 - —
tanks, E. works.....gal. .33½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .09½- .10½
l.c.l., divd.....lb. .10 - .11
tanks, divd.....lb. .08½- .09¼
tech., dms., c.l., divd.....lb. .09 - .10
l.c.l., divd.....lb. .09½- .10½
tanks, divd.....lb. .08 - .09
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works...lb. .35 - —
dms., c.l., 52,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same (terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .53 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .85 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .53 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Alstris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.94 - 3.64
Alphanaphthol, bbls.....lb. .82 - —
Alphanaphthylamine, bbls.....lb. .82 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd. N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
divd. N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
divd. N. Y., Phil...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
divd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
divd. N. Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
divd. N. Y., Phila...100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works...100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, divd..lb. .35 - —
1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., divd....lb. .33 - —
smaller containers, divd., lb. .45 - —
solut., 24%, bbls., c.l., divd..lb. .07½- —
l.c.l., 10 or over, divd. lb. .08½- —
1 to 9, divd.....lb. .0863- —
normal, pwd., bbls., divd. lb. .33 - —
smaller containers, divd. lb. .35 - —
solut., 20%, bbls., c.l., divd..lb. .08 - —
l.c.l., 10 or over, divd. lb. .08½- —
1 to 9, divd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
Alumina, chloride, cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., divd..lb. .13 - —
l.c.l., divd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½- —
bbls., c.l., divd.....lb. .12½- —
l.c.l., bbls., divd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21¼
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., stns., c.l...lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60¼- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .57½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higer for 1 lb.; and 12c. per lb. for 1 lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.15.00 -25.00
Aminomethylpropanol, dms., works..lb. .50 - —
5 and 10-gal. cans, works...lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., divd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertiliser, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., divd., Met. N.Y..lb. .0364- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., divd., Met. N.Y..lb. .03¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.33 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 50%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works., unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l. contr., f.o.b. cars, ports, Jan.- June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100% dms., c.l., works..lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
Ammonia, sulphide, red, 48%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.10
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, oaks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .11¼- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10¼- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10¼- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .65 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .15 - —
refd., l.c.l., dms., works..lb. .17½- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works...lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .30 - .31
Cyprus, bgs.....lb. .29 - .29½
Mexican, bgs.....lb. No stocks
Star .....lb. .21 - .21¼
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 - .24
Oxide, bgs., c.l., divd.....lb. .12 - .13
l.c.l., divd.....lb. .13½- .14½
Salt, 62%, dms.....lb. .28 - —
bbls. .....lb. .36 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots.oz. 6.00 - 7.10
Argols, test 70% to 85%, basis 160% 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.25 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cs.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04¼- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (20 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (20 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (20 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (20 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (20 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (20 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y...ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y. whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., re- finery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.10.00 -10.25
Sulphate, bots.....oz. 9.00 - 9.25

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 2.50 - 2.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .35 - —
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton.82.00 - —
bbls., same basis...ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis...ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech., (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern, off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Bensaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .22 - .26
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cans.lb. .84 - —
dms. .....lb. .80 - —
Chloride, 96.97%, rc.fd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.75 -18.00
Hydrochloride, cns.....lb.17.75 -18.00
Sulphate, cns.....lb.17.75 -18.00
Berberis root, bls.....lb. .12 - .15
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.32
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.38 - —
fib. dms .....lb. 3.18 - —
Subcarbonate, bots. cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —

Bismuth, subgallate, bots, cns..lb. 1.77 - 2.60
fib ,dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 80-85%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - -
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld.E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt .alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03325- —
f.o.b. North Atlantic ports..lb. .0430- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd..lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03175- —
f.o.b. North Atlantic ports..lb. .0415- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars, c.l., f.o.b. plants, lb. .03 - —
f.o.b. New York harbor..lb. .0397- —
All carbon black prices are for delivery in March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08½- —
2, bbls., l.c.l., works.....lb. .06 - —
(very, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66%%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.25 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.50 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 2.85 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .32 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .32 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .32 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .32 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .32 - —
Tungstated, peacock, kgs.....lb. 2.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.

Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 - —
import, bgs., c.i.f. ports..ton.35.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.34.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.46.50 - —
bgs., c.l., frt. alld.....ton.42.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld...ton.52.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis.....lb. .12 - —
3, bbls., same basis.....lb. .11 - —

Bis. Subgallate—Brown, Sienna

Brown, sienna, burnt, Italian, group 4, bbls., same basis, lb. .09½- —
5, bbls, same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08½- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06½- —
14, bbls., same basis....lb. .06½- —
Raw, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
2, bbls., same basis.....lb. .12 - —
3, bbls., same basis.....lb. .12½- —
4, bbls., same basis.....lb. .10½- —
5, bbls., same basis.....lb. .10½- —
6, bbls., same basis.....lb. .09½- —
7, bbls., same basis.....lb. .09½- —
8, bbls., same basis.....lb. .08 - —
9, bbls., same basis.....lb. .07½- —
10, bbls., same basis.....lb. .06½- —
11, bbls., same basis.....lb. .05½- —
umber, American, bbls., works..lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04½- —
St. Louis.....lb. .05½- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .06½-

Let These Chemical Guide Posts Show You The Way to Important Savings with TSPP

THERE'S REAL MAGIC in this "mountain" of Tetra Sodium Pyrophosphate. And it's there because TSPP is a chemical of almost incredible versatility. Once a laboratory curiosity, its properties and uses are now being "explored" by industry with money-saving results.

So that those still unacquainted with TSPP may profit from its unusual properties and from applications already discovered, we offer the following guide posts to its use:

APPLICATIONS: The jobs that TSPP can help to do better, or for less cost, (or both) are found in countless industries. To name just a few: in soap manufacture; in commercial laundries; in wet finishing of cotton, rayon, silk and wool; in making mixed detergents; in machine dishwashing, cleaning of rugs, metals, and dairy equipment; and in the vitreous enamel industry for enamel slips and cover coats.

PROPERTIES: The ability of TSPP to serve in these varied applications lies in its unusual combination of properties. For example: TSPP will reduce the quantity of insoluble hardwater soaps formed by magnesium and calcium hardness—will keep iron compounds in water in a soluble or dispersed form—will act as an efficient suspending and dispersing agent for most inert and insoluble materials—and will give some "wetting" action, lowering surface tension of solutions and aiding in emulsification of oils and greases.

Other Facts About Du Pont TSPP

- Formula—$Na_4P_2O_7$
- Comes in either powdered or granular form.
- Free flowing.
- Mildly alkaline—pH 9.1—10.3.
- Readily soluble in hot or cold water and in distilled water as follows:

Water Temperature Fahrenheit	*Parts TSPP in 100 parts H_2O*	*Ounces TSPP per gal. H_2O*
68°	6.2	7.7
140°	21.8	24.0
212°	40.0	38.2

TECHNICAL SERVICE: In such brief space, only a glimpse of TSPP "magic" can be given. Nevertheless, if it has suggested the possibility of doing some job better, or more economically in your plant, we invite you to share in our knowledge of this versatile chemical. For information, or technical assistance, write or call: E. I. du Pont de Nemours & Co. (Inc.), Grasselli Chemicals Dept., Wilmington, Del.

DU PONT TETRA SODIUM PYROPHOSPHATE

Brown, Sienna—Cassia

Brown, sienna, raw, Turkey, bbls., l.c.l., ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chcago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0533- —
Pittsburgh .....lb. .06 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .55 - .56
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls..lb. .85 - .90
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¾- —
dms., l.c.l., same terms.lb. .09¾- —
tanks, same terms.....lb. .07¾- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works...lb. .18½- —
l.c.l., works.....lb. .19½- .17½
tanks, works.....lb. .14½- —
Carbonal, secondary, l.c.l., dms., works..lb. .60 - —
Butyl, chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., works..lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5-gal cns., works.....lb. .75 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- 03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .90 Nom.
ingots or sticks.....lb. .85 Nom.
Red (see Red).
Selenide, (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
Caffeine, 2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

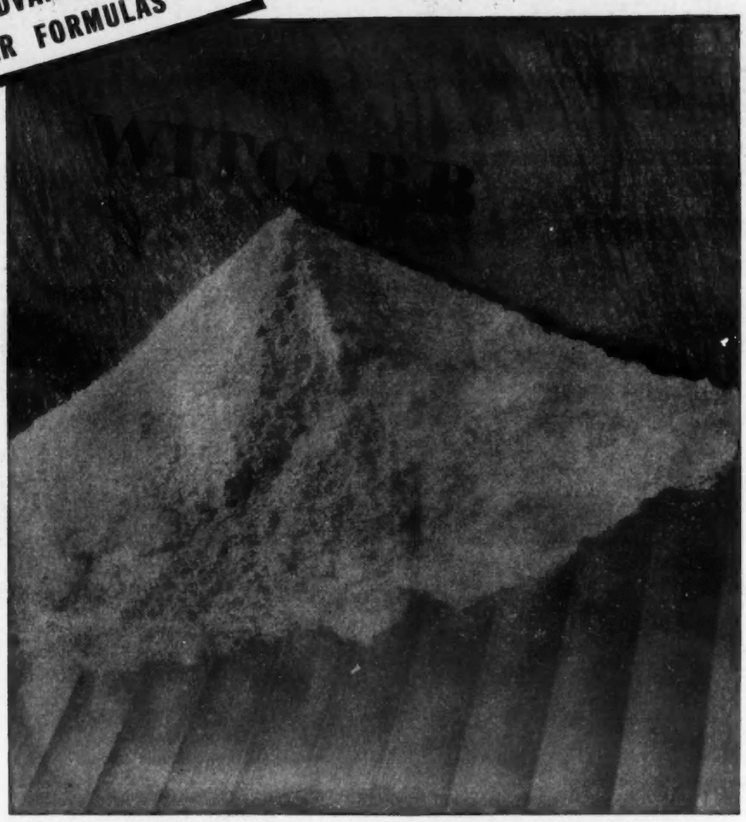
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse,100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
Calcium, chloride, solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. d m s., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 25-45% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 100 lbs., lb. .45 - .47
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0350- .0380
Morocco, bgs.....lb. .0400- .0430
Turkish, bgs.....lb. .0370- .0400
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd, bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .65 - .67
Carbasole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl, c.l., dms., frt. alld..lb. .225- —
l.c.l., same basis.....lb. .235- —
tanks, same basis.....lb. .215- —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¼- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.30 - 1.50
decorticated, cs.....lb. 1.10 - 1.15
green, Ceylon, afloat, bgs....lb. 1.05 - 1.10
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .17 - .18
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .14½- —
5 tons, works.....lb. .14¾- —
smaller lots, works...lb. .15 - —
8-100 mesh, bgs., c.l.....lb. .15 - —
5 tons, works.....lb. .15¼- —
smaller lots, works.....lb. .15½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .13 - .13¼
80-100 mesh, bgs., c.l., duty paid..lb. .13½- .13¾
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls. .19½- .20
No. 1 regular, bls.....lb. .18½- .19
shortsticks, bls.....lb. .14½- .15
broken, bls.....lb. .12 - .12¼
China, buds, bags.....lb. .14 - .14½
Rolls, select, bls.....lb. .13 - .13½
broken, extra, bls.....lb. .12¼- .12¾
Saigon, No. 1, 4-10-4, bls....lb. .23½- .24
10-6-2, bls.....lb. .24 - .24½
all thin, bls.....lb. .25 - .25½

Announcing a new inert... Witcarb

OFFERING SPECIAL ADVANTAGES IN PAINT AND RUBBER FORMULAS



Advantages Never Before Available can now be obtained with WITCARB, a new inert offered by Witco for use in paint and rubber formulas.

WITCARB is a finely divided, untreated, technically pure unprecipitated Calcium Carbonate. Among the special advantages it gives in PAINT FORMULAS are:

1. Lower cost per pigment pound.
2. More gallons per pound.
3. Added texture in flats.
4. Better stability in the finished product.
5. Improvements in Lithopone and Titanated Lithopone paints, and in some cases gloss paints and enamels.
6. In formulations that use Titanium Calcium Sulphate pigments, laboratory tests show that WITCARB, when combined with ZOPAQUE (Witco's Titanium Dioxide) in the proper proportions, provides better hiding, more retention of gloss, easier brushing and improved stabilization of the paint.

* * *

WITCARB offers special advantages as a white reinforcing filler in RUBBER FORMULAS that require high tensile and modulus, and tear resistance. Among the specifications that make it unusually valuable for this purpose are:

Specific Gravity	2.680
Particle Size (microns)	2-3
Controlled pH	9.0
% Residue—325 mesh	0.114

WITCARB deserves your immediate attention, not only because of its special merits as an inert but also because of its low price. We will gladly send you, upon request, samples and more complete information.

WISHNICK-TUMPEER, INC.

MANUFACTURERS AND EXPORTERS

New York, 295 Madison Ave. • Boston, 141 Milk St. • Chicago, Tribune Tower • Cleveland, 616 St. Clair Ave., N. E. • Dallas, Texas, 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Foreign Office, London, Eng.

BUY DIRECT AND PROFIT DIRECTLY

Cassia fistula, bkts.....lb. .15 - .16
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brasilian, ship't, c.&f., N.Y..long ton.58.00 - —
Oil (see Oil, castor).
Pomace, dom., 6¼% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f., ports, shipment..ton. No price
Celery seed, French, bgs.....lb. .70 - .72
Indian .....lb. .49 - .50
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 2.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .08 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.00 - 1.25
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky. Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Va.....ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼- —
l.c.l., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.00 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .98 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y...lb. .05¼- —
contracts, dlvd., N. Y...lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2 works, frt. equald., 100 lbs. 2.40 - —
1 works, frt., equald., 100 lbs. 2.90 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium cs..lb. .85 - .90
20 in., thick, cs... ....lb. .85 - .90
20 in., medium, cs.....lb. .86 - .90
USP, broken quill, red bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

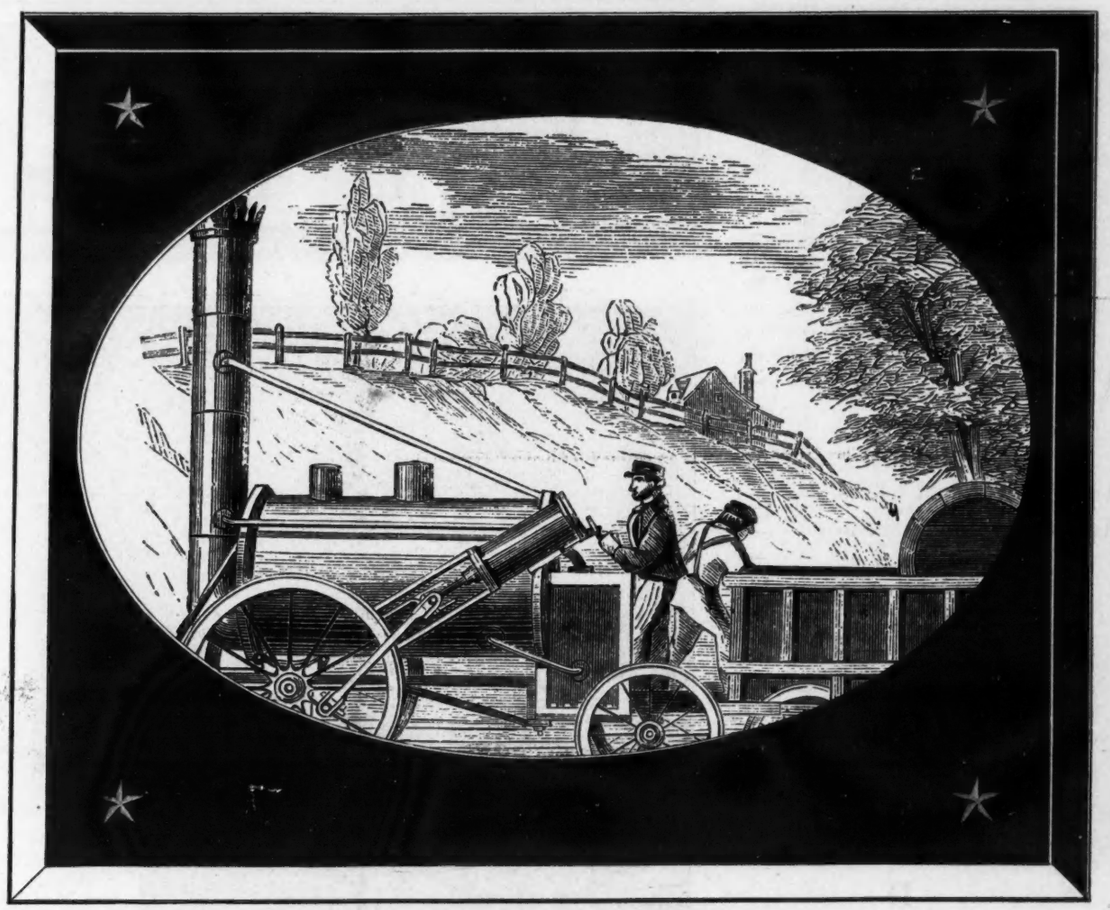
Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns.100 ozs..oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.60 - —
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .19½- .20
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 2.50 - 2.75
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.90 - 1.85
Clove, Amboyna, bgs.....lb. .25 - .26
Madagascar .....lb. .21 - .22
Zanzibar .....lb. .20½- .21
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works..dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 8%, dms...lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .12½- —
1 % cobalt oxide, bbls....lb. .13 - —
2 % cobalt oxide, bbls....lb. .14 - —
3½% cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39

Cassia Fistula—Copper Oleate

Cocoa butter, bulk, c.l., bgs..lb. .23 - —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100-ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.25.00 -26.00
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .53 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .27 - .28
S.A., USP, cns.....lb. .29 - .30
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .16½- .18
Chloride, anhy., bbls.....lb. .16 - .18
cryst. .....lb. .13½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12¼
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —



They Started Something!

THE MEN WHO built the first commercially practical locomotives brought about striking changes in the history of commerce and industry—and in the daily lives of everyone. Though the energy of steam had long been known, and employed in many ways, its utilization in the locomotive ushered in a new era in transportation. Arduous journeys that once consumed days or weeks became a matter of hours. The enjoyment of travel was placed within the reach of millions, and the transportation of goods became simple and inexpensive. The development of every industry was stimulated by the greater ease in securing raw materials, and in distributing its finished products. And the railroad industry itself became a leading consumer of industry's products.

So too when the engineers of EBG first made Liquid Chlorine commercially available in America, they gave new utility to a long-known but little-used element, and their work was destined to have far-reaching effects. EBG Liquid Chlorine gave municipalities a new and effective means for controlling the spread of water-borne diseases through purification of water supplies, and is still further increasing its usefulness today in the field of sewage sterilization. The paper and textile industries were enabled to set new standards of efficiency and economy through the use of EBG Liquid Chlorine as a bleaching agent.

The first cylinder of Liquid Chlorine made by EBG in 1909.

The *extra* experience of EBG engineers—pioneers in the production of Liquid Chlorine—works to your advantage. Specify EBG Liquid Chlorine when you buy.

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N.Y.
Plant: Niagara Falls, N.Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Copper Oxide—Dyes

Copper, oxide, black, bbls., tons, works	lb.	.18½-	.20
Red, com'l, kgs., f.o.b. N. Y.	lb.	.19 -	.21
Resinate, precip., bbls.	lb.	.15 -	.18
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works	100 lbs.	4.75 -	—
l.c.l., 16-50 bbls., same basis,	100 lbs.	4.90 -	—
6-15 bbls., same basis	100 lbs.	5.00 -	—
1-5 bbls., same basis	100 lbs.	5.25 -	—
monohydrated, dms., c.l., dealers, f.o.b. works	100 lbs.	8.50 -	—
l.c.l., dealers	100 lbs.	9.50 -	—
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00 -	—
bbls., c.l., works	ton.	20.00 -	—
l.c.l., 25 or over, works,	100 lbs.	1.55 -	—
1-4, works	100 lbs.	2.00 -	—
bulk, c.l., works	ton.	14.00 -	—
Copra, Coast, ship	lb.	.03	Nom.
Coriander, bgs.	lb.	.06¾-	.07¼
bleached, bgs.	lb.	.09 -	.09½
Corn sugar, tanners', chipped, bgs., c.l., divd.	100 lbs.	4.05 -	—
slabs, bbls., c.l.	100 lbs.	3.41 -	—
solid, bbls., c.l.	100 lbs.	3.53 -	—
Syrup, 42°, bbls., c.l.	100 lbs.	3.52 -	—
43°, bbls., c.l.	100 lbs.	3.57 -	—
Corrosive sublimate, cryst., dms., 50 lbs. or more	lb.	2.19 -	—
gran., powd., dms., 50 lbs. or more	lb.	2.04 -	—
Cottonroot bark, bls.	lb.	.10 -	.11
Cornsilk, bls.	lb.	.17 -	.18
Cottonseed, hull ash, 32-36% potash, bgs., divd.	unit-ton.	1.00 -	—
meal, 8%, Southeast, mills	ton.	28.50	-29.00
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	2.75 -	3.00
5-lb. cns.	lb.	2.85 -	3.10
1-lb. cns.	lb.	3.00 -	3.25
1oz. cns.	lb.	3.25 -	3.60
less than 5 dms., cns.	lb.	4.15 -	4.65
Cramp, bark, genuine, bls.	lb.	.23 -	.24
so-called, bls.	lb.	.06 -	.07
Cranesbill root, bls.	lb.	.10 -	.12
Cream tartar, gran. or powd., bbls., 6,000 lbs., one shipm't.	lb.	.52½-	—
smaller lots, bbls.	lb.	.53 -	—
kgs.	lb.	.53½-	—
Creosote, beechwood, bots.	lb.	No prices	
hardwood, USP, bots.	lb.	.45 -	.47
Pine, dms.	gal.	.38 -	—
Carbonate, bots., cbys.	lb.	1.90 -	2.29
Creosote, oil, crude, tanks, works,	gal.	.13½-	.14½
Coaltar, solution, tanks, works,	gal.	.122 -	.123
refd., bbls., l.c.l., works	gal.	.25 -	—
tanks, works	gal.	.13 -	.13½
Cresol, USP, dms., c.l., works	lb.	.09¾-	—
l.c.l., same basis	lb.	.10¼-	—
special resin grade, dms., c.l., works	lb.	.08¾-	—
l.c.l., same basis	lb.	.09¼-	—
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works	lb.	.13 -	—
l.c.l., works	lb.	.14 -	—
5 and 10 gal. dms., works	lb.	.15 -	—
Cryolite, syn., c.l., frt. alld. E. of Miss. River	lb.	.08½-	—
l.c.l., works	lb.	.09¼-	—
natural, c.l.	100 lbs.	8.75 -	—
l.c.l.	100 lbs.	9.25 -	—
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C.	lb.	.19 -	.21
4% rotenone prices are 2c. per lb. less.			
Cubeb berries, XX, bgs.	lb.	.44 -	.45
powd., cs.	lb.	.49 -	.50
Culver's root, bls.	lb.	.16 -	.17
Cumin seed, Morocco, bgs.	lb.	.18 -	.18¼
Cyprus, bgs.	lb.	.18 -	.19
Indian, bgs.	lb.	.17 -	.17½
Persian, bgs.	lb.	.16¾-	.17¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid	lb.	.04¾-	—
Cyanamide, 22% N, pulv., bgs., divd. contracts, N.	unit-ton.	No prices	
Cyanide-chloride, mixture, 49%, gran., dms.	lb.	.10¾-	—
lump, dms.	lb.	.09¾-	—
70% gran., dms.	lb.	.15 -	—
Cyclohexane, 98-100%, dms., works	lb.	.16 -	—
Cyclohexanol, 98-100%, dms., works	lb.	.23 -	—
Cyclohexanone, 98-100%, dms., works	lb.	.32 -	—

D

Damiana leaves, bls.	lb.	.16 -	.17
Dandelion root, German, bls.	lb.	.75 -	.80
Decanol, normal, tech., 360 lbs., dms., divd.	lb.	.35 -	—
Deertongue leaves, bls.	lb.	.12 -	.14
Degras, common dom., bbls.	lb.	.07½-	.08½
neutral, dom., bbls.	lb.	.13 -	.16
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y.	lb.	.21 -	.23
4% rotenone prices are 3c. per lb. less.			
Derris, extract, 25% rotenone, bulk, cns.	lb.	3.00 -	4.00
Dextrin, British gum, c.l., f.o.b. Chicago	100 lbs.	4.15 -	—
l.c.l., f.o.b. Chicago	100 lbs.	4.25 -	—
Corn, canary, bgs., c.l., f.o.b. Chicago	100 lbs.	3.90 -	—
l.c.l., f.o.b. Chicago	100 lbs.	4.70 -	—
white, bgs., c.l., f.o.b. Chicago	100 lbs.	3.85 -	—
l.c.l., f.o.b. Chicago	100 lbs.	4.05 -	—
Potato, bgs., dom., c.l.	lb.	.08 -	—
l.c.l., bgs.	lb.	.09 -	.10
Diacetone (see under Alcohol).			
Diacetyl, bots.	lb.	10.00	-11.00
Diamyl ether, dms., c.l., works,	lb.	.085 -	—
l.c.l., works	lb.	.092 -	—
tanks, works	lb.	.075 -	—
Phthalate, dms., c.l., divd.	lb.	.21 -	—
l.c.l., divd.	lb.	.21½-	—
tanks, divd.	lb.	.20 -	—
Diamylamine, dms., c.l., works,	lb.	.47 -	—
l.c.l., works	lb.	.50 -	—
Diamylene, dms., c.l., works	lb.	.095 -	—
l.c.l., works	lb.	.102 -	—
tanks, works	lb.	.085 -	—
Diamylnaphthalene, dms., l.c.l., works	lb.	.20 -	—
Diamylphenol (2, 4), dms., c.l., works	lb.	.17 -	—
l.c.l.	lb.	.20 -	—
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst.	ton.	22.00	-25.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., f.o.b. Atlantic seaboard.	ton.	35.00	-39.00
l.c.l., ex whse.	ton.	85.00	-90.00
Diatomaceous earth, chemically pure, bgs., c.l., f.o.b. Atlantic seaboard	lb.	.06 -	—
l.c.l., ex whse.	lb.	.10 -	.16
import, bgs., c.l., c.i.f.	ton.	No prices	
Dibutylamine, dms., c.l., works,	lb.	.50 -	—
l.c.l.	lb.	.53 -	—
tanks, works	lb.	.48 -	—
Dibutyl ether (see Ether, butyl).			
Phthalate, dms., c.l., divd.	lb.	.19 -	—
l.c.l., divd.	lb.	.19½-	—
tanks, divd.	lb.	.18 -	—
cns., works	lb.	.23½-	.25½
Sebacate, dms., works	lb.	.45 -	.47
Tartrate, dom., dms.	lb.	.50 -	—
Dicalcium phosphate (see Calcium phosphate dibasic).			
Dichlorethyl ether, dms., c.l., works	lb.	.13 -	—
l.c.l., works	lb.	.13 -	—
tanks, works	lb.	.14 -	—
Dichloropentanes, dms., c.l., works	lb.	.032 -	—
l.c.l.	lb.	.04 -	—
tanks	lb.	.025 -	—
Diethanolamine, dms., c.l., works,	lb.	.23½-	—
l.c.l., works	lb.	.24½-	—
tanks, works	lb.	.22½-	—
Diethylamine, dms., l.c.l., works,	lb.	.70 -	—
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms.	lb.	.75 -	—
Diethylanilin, dms.	lb.	.40 -	—
Diethylcarbonate, com'l, dms.	lb.	.25 -	—
refd., 99%, dms.	lb.	.35 -	—
Carbanol, l.c.l., dms., works,	lb.	.60 -	—
Oxalate, dms., l.c.l., divd.	lb.	.27 -	—
Diethyl phthalate, dms., c.l., frt. alld.	lb.	.19 -	—
l.c.l.	lb.	.19½-	—
tanks	lb.	.18 -	—
Sulphate, dms., c.l., works	lb.	.13 -	—
l.c.l., works	lb.	.14 -	—
tanks	lb.	.12 -	—
Diethyleneglycol, dms., c.l., works,	lb.	.14 -	—
l.c.l., works	lb.	.15½-	—
Monobutylether, dms., works	lb.	.22½-	.24½
Monoethylether, dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15½-	—
tanks, works	lb.	.13½-	—
Digitalis leaves, dms.	lb.	.35 -	.40
Diglycol, laurate, c.l.	lb.	.16 -	—
Oleate, light, bbls., c.l.	lb.	.17 -	—
Stearate, bbls., c.l.	lb.	.22 -	—
Di-isobutyl ketone, dms., works	lb.	.19 -	—
Dillseed, recleaned, bgs.	lb.	.07¼-	.07½
Dimethyl phthalate, dms., c.l., divd.	lb.	.18½-	—
l.c.l., divd.	lb.	.19 -	—
tanks, divd.	lb.	.17½-	—
Dimethylamine, dms., c.l., divd.	lb.	.85 -	—
l.c.l., divd.	lb.	.90 -	—
Dimethylanilin, dms., c.l.	lb.	.23 -	—
l.c.l., dms.	lb.	.24 -	—
Dimethylethyl (see amyl alcohol tertiary).			
Dimethylethyl carbinol, l.c.l., dms., works	lb.	.60 -	—
Dinitrobenzene, bbls., 80° min.	lb.	.18 -	—
Dinitrochlorobenzene, dms.	lb.	.14 -	—
Dinitronaphthalene, kgs.	lb.	.35 -	.38
Dinitrophenol, bbls.	lb.	.22 -	—
Dinitrotoluene, dms.	lb.	.15½-	—
oily, dms.	lb.	.0.. -	—
Diorthotoluolguanidin, dms., 2,000 lbs. or over, divd.	lb.	.44 -	—
600-1,950 lbs., divd.	lb.	.46 -	—
150-450 lbs., divd.	lb.	.47 -	—
Dioxan, dms., c.l., frt. alld.	lb.	.20 -	—
l.c.l., same basis	lb.	.21 -	—
tanks, same basis	lb.	.19 -	—
Dip oil (see Tar acid oil).			
Dipentene, dms.	gal.	.47 -	.50
tanks	gal.	.41 -	—
dest., dist., dms.	gal.	.45 -	.48
tanks	gal.	.38 -	—
Diphenyl, bbls., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.16 -	.20
Oxide, perfume grade, cns.	lb.	.30 -	.35
Diphenylamine, bbls.	lb.	.23 -	—
Diphenylguanidin, dms., 2,000 lbs. or over, divd.	lb.	.35 -	—
600-1,950 lbs., divd.	lb.	.36 -	—
150-450 lbs., divd.	lb.	.37 -	—
Diphenylmethane, bots.	lb.	1.30 -	2.75
Dimethylethyl carbinol (see Carbinol).			
Divi-divi, Columbian	ton.	32.00 -	—
Venezuelan	ton.	35.00 -	—
Doggrass root, cut, NF, bls.	lb.	.60 -	.65
Dogwood bark, Jamaica, bls.	lb.	.08 -	.10
Dovers powder, USP, cns.	lb.	2.75 -	2.80
Dragon's blood, mass, cs.	lb.	.65 -	.85
reeds, cs.	lb.	1.00 -	1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Blue, FD&C blue, No. 1, cns.	lb.	13.50 -	—
FD&C blue, No. 2, cns.	lb.	13.50 -	—
FD&C green, No. 2, cns.	lb.	17.50 -	—
FD&C green, No. 3, cns.	lb.	27.50 -	—
Green, FD&C green, No. 1, cns.,	lb.	13.50 -	—

LIFE on the

(*Above*) **EFFECTIVE WATER SOFTENING** without precipitation calcium or magnesium compounds is made possible by the u of QUADRAFOS* (Sodium Tetra Phosphate). A carefully ba anced polyphosphate, QUADRAFOS is being increasingly us in industrial water treatment. In addition to preventing t precipitation of calcium and magnesium compounds, it is high effective in sequestering and rendering inactive other ions, su as those of iron, nickel, chromium, lead, whether introduc in natural waters or occurring as impurities in chemical ra materials. Photos illustrate the efficacy of QUADRAFO (*Left*) Both graduates contain soap solutions in water of 2 ppm $CaCO_3$ hardness equivalent. Graduate at right contai 0.1% QUADRAFOS. (*Center*) Both graduates contain cl suspensions; graduate at left contains 0.1% QUADRAFO indicating its efficacy as a deflocculating agent. (*Right*) TI photo shows the ability of QUADRAFOS to prevent preci tation of metallic salts. A solution of 84 ppm of ferric chlori was made up and treated with a few drops of ammonia precipitate iron hydroxide. Solution at right was cleared by addition of 0.5% QUADRAFOS. A booklet describing t uses and advantages of QUADRAFOS is available on reque

(*Left*) **IMPROVED PLIABILITY IN PAPER**—made possible by rece developments of new Cyanamid sizing materials—is increa ing the utility of many types of paper and paper produc Photo at left shows festooning of coated paper for drying it comes from the coating machines. The industry is aided meeting other requirements by Cyanamid's full line of pap chemicals, including wax sizes, rosin sizes, coating materia casein, sulphonated oils, defoamers, fillers, alum, and tapio flour. Cyanamid offers technical assistance to the paper i dustry in the use of these products, and in addition carr on an intensive research program to develop new pap chemicals and to expand still further the scope of i service to the paper industry in meeting new problen

Dyes, coaltar (certified colors), for foods, drugs and cosmetics:—
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54

Chemical Newsfront

(*Above*) **CHEMISTRY AIDS THE ZOO** as a new method of deodorizing the lion house is installed at the New York Zoological Gardens. Former disagreeable odors are said to be completely masked by natural evaporation of a combination of aromatic chemicals. Result is described as a fresh fragrant odor, not at all objectionable to visitors. Use of the method is planned for additional buildings.

(*Above*) **FASTER PAPER DYEING** is made possible by using AEROSOL** OT as a carrier for the dyestuffs. This powerful wetting agent is aiding efficiency and economy in almost every industry.

(*Above*) **PLASTIC AUTOMOBILE BODIES** may become a commercial reality. Photo shows first step in experimental tests, using a plastic derived from straw and soy beans. Plastics are attracting increased attention as a means of aiding the national defense program by employing them in non-defense uses. In this way they aid in releasing primary metals for other purposes.

(*Below*) **NOT A LABORATORY SET-UP** but a scene in a Federal Hatchery where millions of trout are reared under artificial conditions, for release to the nation's streams every season.

American Cyanamid & Chemical Corporation
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA NEW YORK, N. Y.
*Registered U. S. Patent Office
**Trademark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture

Dyes—Epsom Salt

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives..lb. .38 - .52
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin.....lb. .38 - .44
Blue:—
860 Indulin.....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
708 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.35 - —
Orange:—
10 Chrysoldin G.....lb. .40 - —
21 Chrysoldin R.....lb. .57 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .55 - —
626 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (*see* Albumen).
yolk, dom., bbls.....lb. .68 - .73
imported .....lb. .63 - .67
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -25.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
100-oz. lots.....oz. .65 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .53 - —
100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —

The Peach Pack That Developed Mumps

The Story of a Packaging Problem

"GET THE BOSS DOWN HERE quick," shouted the warehouse foreman to his helper. "Tell him we got trouble with the peach pack and got it *bad!*"

When the boss of the cannery saw the peach pack, he took just one look, then grabbed the telephone and called American Can Company.

For he did have trouble—plenty! Some cans were bulged out at the ends, a most unusual situation caused by the unexpected development of hydrogen in the cans.

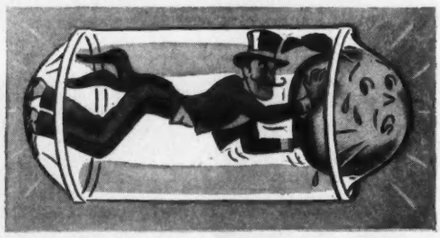
What caused the cans to bulge—made part of the peach pack develop mumps? It was our job at American Can Company to help find out. For a fault like this was mighty important and had to be fixed at once.

First, the scientists from our laboratories checked the canning process at the peach cannery. Nothing wrong there. Then, they went over our own manufacturing of the cans themselves. The work was flawless. Finally, they got down to the steel base plate, just as it came from the steel mills.

And there the villain in the story was uncovered!

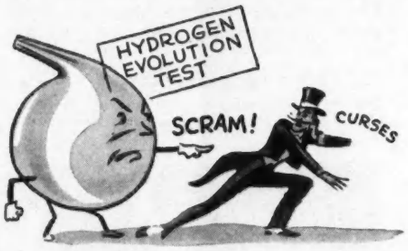
For these test-tube detectives found that the cans which bulged were made from steel which had a larger silicon content than the cans which gave no trouble.

And they also found that the cans with the larger silicon content *caused this unusual development of hydrogen* in the peach cans.*



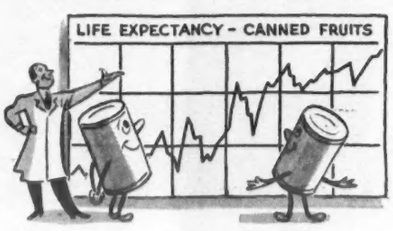
But just *finding* the trouble was not enough. Now, our scientists had to establish specifications for the chemical composition of the steel base for the tin plate.

Then, they had to devise a quick, practical method of predicting the performance of the tin plate made to these specifications.



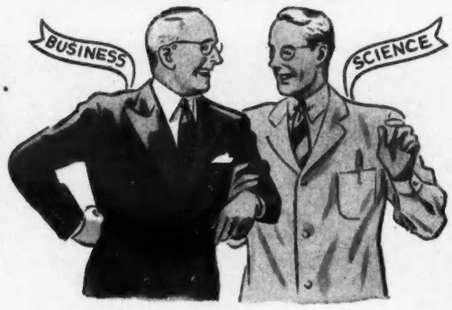
And this they did. They invented a very simple method called the "hydrogen evolution test." Now, no peach pack develops mumps.

And like most new discoveries of merit, this test had effects on industry far beyond the immediate purpose for which it was intended.



It enabled the entire canning industry to put more kinds of food in cans than ever before and actually to pack foods which had never been successfully packed before.

The hydrogen evolution test also raised the standards of tin plate and sped up the development of the new cold-rolled steel process.



To us, this story typifies how business and science can often go hand in hand and achieve many good results. It's also a fine example of the laboratory facilities which the customers of American Can Company have at their disposal.

*Later tests proved that phosphorus as well as other elements had an effect.

CANCO

Resources For Solving Packaging Problems At American Can

- 5 laboratories employing 134 people with college training, academic, or professional degrees in the pure, natural, or engineering sciences.
- 13 points from which customers' machinery is serviced . . . 6 points at which customers' machinery is built.
- 67 plants located strategically in the U. S., Canada, and Hawaii.
- A factory-trained sales staff who are specialists in many different types of industry.
- An executive personnel backed by a financial strength that is in itself a tangible business asset.

AMERICAN CAN COMPANY

230 Park Avenue, New York, N. Y.

Epsom salt, USP, cryst., dom., l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.55 - 1.60
Eserine, bots.....oz. 50.00 -60.00
Salicylate, bots.....oz. 42.00 -54.00
Sulphate, bots.....oz. 42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs.....lb. .68 - —
Sulphuric, conc., 310-lb. dms., lb. .11 - —
cns., 27 lbs.....lb. .14 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
washed, dms.....lb. .27 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½ - —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½ - —
95-98%, dms., c.l., frt. alld..lb. .07¾ - —
l.c.l., frt. alld.....lb. .08¾ - —
tanks, frt. alld.....lb. .06¾ - —
NF, 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½ - —
Acetoacetate, dms., c.l., wks.lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., works, lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5 and 10-gal. dms., works, lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½ - —
5-gal. dms., works.....lb. .37½ - .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0693- —
West of Rockies, same basis..lb. .0743- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol, dms., c.l.....lb. .14½ - —
l.c.l. .....lb. .15½ - .18½
tanks .....lb. .13½ - —
Monobutylether, dms., c.l., wks. lb. .16½ - —
l.c.l., works.....lb. .17½ - .20½
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l., wks. lb. .14½ - —
l.c.l., works.....lb. .15½ - .16½
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11¾ - —
l.c.l., dms.....lb. .12½ - .15½
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -17.50
l.c.l., minimum 2 tons..ton. 17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons..ton. 12.75 -16.25
pottery, bulk, Me., works..ton. 17.00 -19.00
N. C., works.....ton. 17.00 -19.00
l.c.l., minimum 2 tons.ton. 20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
French, bgs.....lb. .35 Nom.
Indian, bgs.....lb. .11½ - .12
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .11½ - .12
Fenugreek seed, bgs.....lb. .05½ - .06
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l. .....ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal. 16.50 -17.00
Oregon, bbls.....gal. 1.10 - 1.25
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.15 & .10
meal, bgs., f.o.b. Balto....ton. 60.00 -62.00
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon., bgs., c.l.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines., net ton. 29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton. 19.00 -21.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 19.00 -21.00
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton. 15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½ - .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½ - .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .08 - .08½
plantation, cases.....lb. .10½ - .11
cubes, Singapore, cases...lb. .09½ - .10
extract, bbls.....lb. .09½ - .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .0680- —
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½ - —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .06¾ - —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .04½ - .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .04¾ - .05
natural, 18-55, tanks....gal. .02¾ - .02¾
26-70, tanks.....gal. .02 - .02¾
Gelatine, silver, cs.....lb. .60 - .67
Geisemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .40 - .45
grd., bbls., bxs.....lb. .44 - .49
powd., bbls., bxs.....lb. .45 - .50
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bgs....lb. .11 - .11½
Cochin, lemon, bgs.....lb. .11 - .11½
Jamaica, bold, bgs.....lb. .17½ - .18
medium, bgs.....lb. .16½ - .17
grinding, bright, bgs.....lb. .16 - .17
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½ - —
36/58 bgs., c.l., dlvd.....lb. .13½ - —
l.c.l., dlvd.....lb. .14 - —
58/82 bgs., c.l., dlvd.....lb. .15 - —
l.c.l., dlvd.....lb. .15½ - —
82/108 millipoise, bgs., c.l., dlvd..lb. .15½ - —
l.c.l., dlvd.....lb. .16 - —
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .17 Nom.
l.c.l., same basis.....lb. .17½ Nom.
60/164, bgs., c.l., same basis, lb. .18½ Nom.
l.c.l., same basis.....lb. .19 Nom.
67/122, bgs., c.l., same basis, lb. .19½ Nom.
l.c.l., same basis.....lb. .20 Nom.
75/222, bgs., c.l., same basis, lb. .22½ Nom.
l.c.l., same basis.....lb. .23½ Nom.
68/251, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis.....lb. .24½ Nom.
92/283, bgs., c.l., same basis, lb. .24½ Nom.
l.c.l., same basis.....lb. .25½ Nom.
102/315, bgs., c.l., same basis..lb. .25½ Nom.
l.c.l., same basis.....lb. .26 Nom.
113/347, bgs., c.l., same basis..lb. .26 Nom.
125/379, bgs., c.l., same basis..lb. .27 Nom.
l.c.l., same basis.....lb. .28 Nom.
Glue prices for barrel packing, higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .14½ - .15
dms., c.l., dlvd.....lb. .12½ - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼ - —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12¼ - —
tanks, dlvd.....lb. .11¾ - —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .09½ - —
l.c.l., same basis..lb. .10½ - —
tanks .....lb. .08½ - —
refiners, dms., returnable, tanks, dlvd..lb. .08½ - .08¾
returnable, dlvd..lb. .07½ - .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz. 35.00 - —
Chloride, acid brown, both..oz. 20.75 -21.00
yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 -14.75
Gold of pleasure, seed, bgs....lb. .16 - .16½
Goldenseal, root, bls.....lb. 2.50 - 2.55
powd., bxs.....lb. 2.75 - 2.80
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07½ - —
l.c.l., works.....lb. .07½ - —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½ - —
l.c.l., works.....lb. .03¼ - —
bbls., c.l., works.....lb. .02¾ - —
80% graphite, carbon, bgs., c.l., works..lb. .03½ - —
bbls., c.l., works.....lb. .03¾ - —
l.c.l., works.....lb. .04½ - —
Grease, house.....lb. .06¾ Nom.
white .....lb. .07 Nom.
yellow .....lb. .06¾ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½ - —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½ - —
31-35%, bbls., same basis.lb. .25½ - —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½ - —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾ - —
11-13%, bbls., same basis, lb. .07½ - —
14-16%, bbls., same basis, lb. .07½ - —
17-19%, bbls., same basis, lb. .07¾ - —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼ - —
24-25%, bbls., same basis, lb. .08½ - —
26-27%, bbls., same basis, lb. .08¾ - —
28-29%, bbls., same basis, lb. .09¼ - —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼ - —
34-35%, bbls., same bas's, lb. .12¼ - —
36-40%, bbls., same basis, lb. .14¼ - —
41-45%, bbls., same basis, lb. .16¼ - —
46-50%, bbls., same basis, lb. .16¾ - —
51-55%, bbls., same basis, lb. .17¼ - —
56-60%, bbls., same basis, lb. .17¾ - —
61-65%, bbls., same basis, lb. .18¼ - —
66-70%, bbls., same basis, lb. .19¼ - —
71-75%, bbls., same basis, lb. .20¼ - —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusts, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber sort, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½ - —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½ - —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½ - —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾ - —
6, pale amber bold, bgs., c.l., same basis..lb. .21½ - —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾ - —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13¾ - —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾ - —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾ - —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼ - —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23¾ - —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾ - —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½ - —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾ - —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½ - —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾ - —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼ - —
21, ordinary selected nubs, c.l., same basis..lb. .12¾ - —
22, small mixed nubs, bgs., same basis..lb. .10¾ - —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾ - —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾ - —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½ - —
26, pale small nubs, c.l., same basis .lb. .10¾ - —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼ - —
28, pale dust, bgs., c.l., same basis..lb. .06¾ - —
Batu, bold scraped, bgs., c.l., same basis..lb. .06¾ - —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .06¼ - —
dust, bgs., c.l., same basis, lb. .05¾ - —
nubs and chips, bgs., c.l., same basis..lb. .05¾ - —

Epsom Salt—Gypsum

Gum, copal, batu, black, bold, scraped, bgs., c.l., same basis..lb. .06¾ - —
unscraped, bgs., c.l., same basis..lb. .05¾ - —
nubs and chips, bgs., c.l., same basis..lb. .06¼ - —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾ - —
chips, bgs., c.l., same basis, lb. .06¾ - —
dust, bgs., c.l., same basis, lb. .06¼ - —
nubs, bgs., c.l., same basis..lb. .10¾ - —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾ - —
chips, bgs., c.l., same basis, lb. .06¼ - —
dust, bgs., c.l., same basis, lb. .06¼ - —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boesa, amber and dark, bakts., c.l., same basis, lb. .13¾ - —
light, bakts., c.l., same basis..lb. .15¾ - —
Loba A, bakts., c.l., same basis..lb. .11¾ - —
Loba B, bakts., c.l., same basis..lb. .11¾ - —
C, bakts., c.l., same basis, lb. .11¼ - —
CNE, bakts., c.l., same basis..lb. .08½ - —
D, bakts., c.l., same basis, lb. .12¾ - —
DK, bakts., c.l., same basis, lb. .08 - —
dust, bakts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .15¾ - —
Singapore, dust, bakts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bakts., same basis..lb. .10¾ - —
DBB, bakts., c.l., same basis..lb. .10 - —
MA, bakts., c.l., same basis, lb. .07¾ - —
MB, bakts., c.l., same basis, lb. .07¼ - —
WS, bakts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¼ - —
Philippine Manila, amber sorts, bakts., c.l., same basis..lb. .06 - —
chips, pale, bakts., c.l., same basis..lb. .11¾ - —
pale, small, bakts., c.l., same basis..lb. .09 - —
extra pale sorts, bakts., c.l., same basis..lb. .10½ - —
nubs, bakts., c.l., same basis..lb. .13½ - —
scraped, bakts., c.l., same basis..lb. .14¾ - —
seeds and dust., bakts., c.l., same basis..lb. .08¾ - —
Pontianak, bold, genuine bgs., same basis..lb. .15¾ - —
mixed, bgs., c.l., same basis, lb. .14¾ - —
split, bgs., c.l., same basis, lb. .13¾ - —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾ - —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾ - —
A/C, cs., c.l., same basis..lb. .15¼ - —
A/B, cs. c.l., same basis..lb. .12¾ - —
B, cs., c.l., same basis....lb. .20¼ - —
C, cs., c.l., same basis....lb. .14¾ - —
D, cs., c.l., same basis....lb. .13¼ - —
dust, cs., c.l., same basis..lb. .07¾ - —
E, cs., c.l., same basis....lb. .10 - —
F, cs., c.l., same basis....lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .10¾ - —
2, cs., c.l., same basis....lb. .12¼ - —
3, cs., c.l., same basis....lb. .07¼ - —
chips, cs., c.l., same basis..lb. .11 - —
dust, cs., c.l., same basis..lb. .07¼ - —
seeds, cs., c.l., same basis..lb. .09¾ - —
Elemi, cns., c.l., same basis as copal..lb. .08½ - —
Ester, c.l., dms., contract or spot, dlvd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06 - —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex., and Western Tex..lb. .06¾ - —
Pacific Coast (water shpt.)..lb. .06¼ - —
Other points.....lb. .06¼ - —
For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case.
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., cl., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½ - —
80%, chips, cs., c.l., same basis..lb. .12½ - —
pale, XXX, cs., same basis..lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾ - —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .52½ - .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs. 15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 2.75 - 2.85
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yacca, bgs.....lb. .03½ - .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 32.45 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
Harlem River, N. Y., frt. equald..ton. 27.65 - —

Gypsum—Madder

Gypsum, Keen's cement, New Brighton, N. Y., frt. equal. ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —

Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.80 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.80 - —
New Brighton, N. Y., frt. equald..ton.12.80 - —
Southard, Oklahoma, frt. equald..ton.12.80 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —

Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Reton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N.Y..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 2.10 - 2.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helenias root, bls.....lb. .55 - .56
Hematine crystals, bbls.....lb. .30 - .90
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03½- —
tanks, works.....lb. .02½- —
Hempseed, Manchur, bgs.....lb. .06½- .06¾
Henbane leaves, bls.....lb. 2.50 - 2.75
Henna leaves, bls.....lb. .20 - .22
powd., bbls., bxs.....lb. .25 - .27
Heptane, mixed, 77-115°C., dms., c.l., Group 3...gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 90-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, "tech., dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .33 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .06½- —
dms., c.l., divd., Group 3..gal. .34 - —
l.c.l., 5 or more, divd., Group 3...gal. .29 - —
1-5, divd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz.17.50 -18.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago...unit. 2.65 - 2.70
Hops, N.Y., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .06 - .08
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 oz...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 16 grs., bots...bot. 1.65 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama canal..lb. .16 - .16½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots...oz.65.00 -75.00
Hydrochloride, bots.....oz.60.00 -75.00
Hyoscyamine, bots.....oz.21.25 - 22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .26 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16¾- .19
powd., bbls.....lb. .17½- .35
Indium metal.....oz.12.50 - —
Indol, CP, bots.....oz.82.00 -84.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs...lb. 1.07 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.36 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 42 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 42 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone alpha, bots.....lb. 2.75 - 2.90
Alpha, extra, bots.....lb. 2.75 - 2.90
beta, bots.....lb. 2.10 - 2.15
beta, bots.....lb. 2.90 - 2.95
Ipecac root, bgs.....lb. 1.20 - 1.25
powd., bxs.....lb. 1.45 - 1.46
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .25 - .28
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV. 100-lb. cbys..lb. .15 - —
dms., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd.....lb. .02 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.50 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
Iron, chloride, liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
dms.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 2.12 - —
smaller lots.....lb. 2.22 - —
cns., 25 lbs.....lb. 2.27 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.15 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, red, tech., dms....lb. .06½- .04
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .32 - —
scales, dms.....lb. .83 - .85
Oxide, black, bbls., works...lb. .06 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .07¾- —
tanks, works.....lb. .06¾- —
Propionate, dms., works.....lb. .09½- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .33 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .23 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .23 - .31
powd., bbls., bxs.....lb. .26 - .32
resin, lump, 100-lb. lots, cns.lb. 5.25 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0480- .0490
California (f.o.b. San Francisco) truck..gal. .11¾- —
Gulf ports, p.w., bulk...gal. .07¼- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¼
Pennsylvania, 45 w.w., tanks, gal. .05¾- .05¼
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd...ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 8.75 - 8.85
Middlewestern, trcs...100 lbs. 8.35 - 8.40
Neutral, trcs.....100 lbs. 9.25 - 9.50
Western, choice, trcs..100 lbs. 8.45 - 8.50
Compound, trcs.....100 lbs.10.75 -11.00
Larkspur seed, bgs.....lb. 1.90 Nom.
Laurel berries, bls.....lb. .23 - .26
Leaves, Greek, bls.....lb. .35 - .37
Portuguese, bls.....lb. .32½- .34
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09½
l.c.l., bgs.....lb. .09½- .10
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¼- —
l.c.l., divd. E.....lb. .06½- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Lead, iodide, NF V, powd., 5-lb. bots..lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works...lb. .23 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0835- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash..lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc.....lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons) divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd., Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¾- —
Resinate, fused 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11¾- —
Silicate, bgs., 5 tons.....lb. 6.85 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .23 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs., or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one deliv., E. frt. alld..lb. .10½- —
Pac. Ct., ex whse....lb. .12½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Ct., ex whse....lb. .12¾- —
White, dry, basic carbonate, bbls., c.l., divd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., divd., Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., divd., Ariz., etc..lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .13¾- —
painters.....lb. .11¾- —

Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .53
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 300-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .12 - .13
powd., bbls., bxs.....lb. .15 - .16
select, bdls, cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Lime, hydrated, Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, divd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, divd. gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Fa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 3.30
Linalyl acetate, cns.....lb. 3.20 - 4.25
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed cake, bgs., export...ton.21.00 Nom.
meal, bgs.....ton.24.00 - —
Litharge, com'l powd., bbls., 200-ton, divd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Other points.....lb. .0735- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, divd., Ala..lb. .08¼- —
Ariz.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd...lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. bbls.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05½- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .80
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .37 - .38
West Indian, cs.....lb. .29 - .30½
Madder, Dutch, bbls.....lb. .22 - .25

Magnesia, arsenate, dms.....lb. .18 - .30
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06½- —
bbls. .....lb. .07½- —
kgs. .....lb. .08½- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06½- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .06 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.82.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphate, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs....ton.65.00 -70.00
Imports, bgs., duty paid..ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 25-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works.ton.79.75 - —
paper bgs., c.l., works.ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd, ton lots, works lb. .10½- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSo₄, bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.36.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .32 Nom.
Chilean .....lb. .10½- .11
Menthol, natural, Chinese, cs...lb. 4.05 - 4.15
Japanese, cs.....lb. 4.10 - 4.20
synthetic, USP, cs.....lb. 3.85 - —
Methyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.02 - —
100-lb. fib. dms.....lb. 2.09 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.59 - —
USP, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10¼- —

Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in....pkg. 1.70 - 1.90
gold, XX deep, 23K, 3⅜x3⅜ in. pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5½ in.....pkg.22.50 -23.00
3⅜x5½ in.....pkg.24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .55 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .45 - —
95%, tanks.....gal. .41 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld. Zone 1..gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
group B, 95%, frt. alld., prices 2c. less than pure, all zones.
97 %,frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .33½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .43½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col. Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash., Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. 12 - —

Magnesia—Methyl Acetone

Methyl acetate, 97-99%, tanks, dlvd. E. of Miss R..lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss R.....lb. .08½- —
tanks, dlvd., E .of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .23½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .40 - —
dms., c.l., same basis...gal. .45½- —
l.c.l., same basis...gal. .50½- —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1..gal. .33 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .42½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md. Mass. Mich., Minn., Mo.

RCI

Chemical Color

No. 1410 C.P. Zinc Yellow

No. 1410 C.P. Zinc Yellow is being extensively and successfully used as a rust inhibiting pigment in coatings for both heavy and light metals. It is manufactured in accordance with all government specifications for this type of pigment.

Another advantage of this outstanding chemical color is when combined with RCI Phthalocine Blues or RCI Iron Blues, it will yield greens of even greater permanence than is afforded by C.P. Chrome Greens.

More complete information and specifications on No. 1410 C.P. Zinc Yellow can be had on request. Your inquiries concerning this, or any other of the complete line of RCI chemical colors, are welcomed.

REICHHOLD CHEMICALS, INCORPORATED
CHEMICAL COLOR DIVISION
Factory: BROOKLYN, N. Y. • General Offices: DETROIT, MICH.

Methyl Acetone—Nitrocellulose

N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks,
- Zone 1..gal. .37½- —
- Zone 2..... gal. .39 - —
- Zone 3..... gal. .40 - —
- dms., c.l., Zone 1..... gal. .45½- —
- Zone 2..... gal. .47 - —
- Zone 3..... gal. .48 - —
- l.c.l., Zone 1..... gal. .49 - —
- Zone 2..... gal. .51½- —
- Zone 3..... gal. .53½- —

Alcohol (see Methanol).
Anthranilate, bots..... lb. 2.10 - 2.25
Benzoate, cns., 25 lbs..... lb. .70 - 1.00
Bromide, cyl..... lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .33 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices

Methyl cinnamate, bls..... lb. 2.75 - 3.25
Formate, dms..... lb. .89 - —
Lactate, dms., l.c.l., dlvd.... lb. .80 - —
Iodide, bots..... lb. 3.65 - 3.85
Salicylate, dms..... lb. .35 - .37
cns..... lb. .37 - .40
Molybdated violet toner, bbls. lb. .35 - —
Methylamyl ketone, dms., works, l.c.l.. lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works..... lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .22 - —
Methylene blue, medel., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs..... lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .23
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07½- —
l.c.l., same terms..... lb. .08 - —
tanks, same terms..... lb. .06½- —
Methylheptenone, bots..... lb. 2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms. c.l., dlvd..lb. .11½- —
l.c.l., dlvd..... lb. .12 - —
tanks, dlvd..... lb. .10½- —
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.25 - 2.50
imp., bots..... lb. 2.10 -

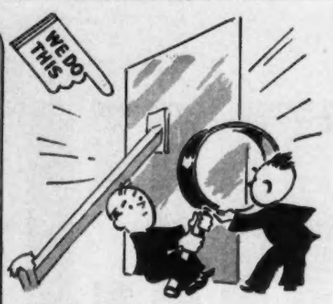
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis..... ton. 11.00 - —
180 mesh, containers extra, c.l., same basis..ton. 11.00 - —
l.c.l., same basis..... ton. 13.00 - —
250 mesh, containers extra, c.l., same basis..ton. 12.00 - —
l.c.l., same basis..... ton. 14.00 - —
325 mesh, containers extra, c.l., same basis..ton. 15.00 - —
l.c.l., same basis..... ton. 17.00 - —
400 mesh, containers extra, c.l., same basis..ton. 17.50 - —
l.c.l., same basis..... ton. 19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 30.00 - —
l.c.l., 5,000 lbs., works, ton. 40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton. 20.00 - —
l.c.l., 5,000 lbs., works, ton. 30.00 - —
paint, bgs. extra and returnable, c.l., works..ton. 55.00 - —
l.c.l., 5,000 lbs., works, ton. 65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works, ton. 35.00 - —
l.c.l., 5,000 lbs., works, ton. 45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 -

Mica, dry, roofing, bgs., extra and returnable, c.l., works, ton. 29.00 - —
l.c.l., 5,000 lbs., works, ton. 29.00 - —
paint, bgs. extra and returnable, c.l., works..ton. 60.00 - —
l.c.l., 5,000 lbs., works, ton. 70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E., lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
wet-ground mica prices are ½c. per pound higher west of Rockies.

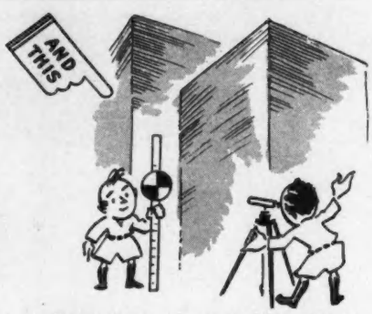
Milk, powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. ..... lb. .08 - —
spray, bbls., c.l..... lb. .07½- —
l.c.l. ..... lb. .08½- —
unskimmed, roller, bbls., c.l. lb. .13½- —
l.c.l. ..... lb. .16½- —
spray, bbls., c.l..... lb. .16 - —
Millet seed, yellow, bgs..... lb. .0250- .0280
early fortune, bgs..... lb. .02½- .02⅝
hulled, bgs..... lb. .06½- .00⅜
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .08 - —
f.o.b. Gulf ports..... gal. .07½- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works..... lb. .53 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .20 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works..... lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms..... lb. .25 - —
tanks ..... lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works..... lb. .35 - —
Monoethylaniline, dms..... lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd..... lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs..... oz. 10.90 - —
Acetate, bots., 5 ozs..... oz. 9.00 - —
bots., 25 ozs..... oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz. 10.75 - —
cns., 25 ozs..... oz. 10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs..... oz. 8.75 - —
Sulphate, bots., 5 ozs..... oz. 9.00 - —
cns., 25 ozs..... oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans..... lb. .15 - .18
flowers, cns..... lb. 2.00 Nom.
Musk, nat., Tonquin, grained, bots..oz. 30.00 -35.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs., to 75 lbs..... lb. 3.85 - —
1 lb..... lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs..... lb. 3.95 - —
1 lb..... lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs..... lb. 1.15 - —
1 lb..... lb. 1.20 - —
Musk root, bls..... lb. .50 - .60
Mustard seed, California, brown, lb. .15¾- .16¼
yellow, bgs..... lb. .18 - .19½
Chinese, yellow, bgs..... lb. .08½- .09
Danish, yellow..... lb. .26½- .27
Dutch, yellow, bgs..... lb. No stocks
English, yellow, bgs..... lb. .27 - .28
Montana, yellow, bgs..... lb. .11 - .11¼
Roumanian, yellow..... lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s..ton. 48.00 - —
J2, bgs., f.a.s..... ton. 59.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls..... lb. No prices
powdered, bbls..... lb. .07½- .08

N

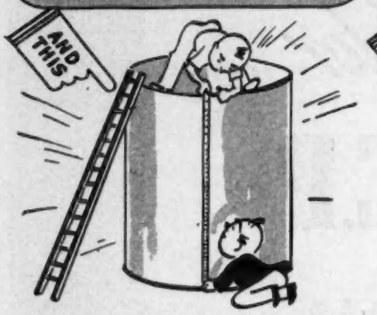
Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns..... lb. 1.25 - 1.35
Nickel carbonate, bbls..... lb. .36 - .36½
Chloride, bbls..... lb. .18 - .20
Cyanide, 100-lbs., dms..... lb. 1.40 - —
25-lb. bot..... lb. 1.50 - —
Oxide, black, bbls..... lb. .35 - .38
Salt bbls..... lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins..... lb. .86½- —
Nitercake, bulk, works..... ton. 16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. ..... lb. .09 - —
tanks ..... lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .24 - —



we didn't know what else to call the six inspections every Continental can must pass before it comes to you. For example—when tinplate arrives at a Continental plant, it is first examined for defects.



Then it goes to the automatic slitter where it's cut in blanks for bodies. Again an inspection. This time a check with gauges and templates to make sure all dimensions are correct. One mistake here means lots of mistakes later.



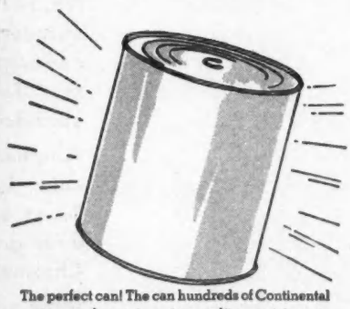
On to the body maker. Here the plate is notched, the body formed and soldered. Again periodic checkings—these for size and height. Now a check within a check. Side-seams are ripped apart and the solder bonds examined.

Now the flanger. This operation calls for hair-trigger accuracy. To guarantee this, another inspection is necessary. Diameter of the flanging and body height are measured. Unless this receives an expert's O. K. the cans cannot go to . . .

the seamer. Here the bottom is double-seamed on. No need to tell you how important a double seamer is in your line. It's the same case here. The double seam must be perfect. So another check is made for strength and thickness.

Lastly, the can goes to the automatic tester. Here's the final reason why your products stay in Continental cans . . . they can't leak out. If there's a leak, the tester finds it. Out goes that defective can. That's what we do . . .

TO GIVE YOU THIS...



The perfect can! The can hundreds of Continental customers know is a top-quality container in every way. The can that comes to you ready to use, to carry your product safely to your customers. The can that's passed the sextuplet-check!

THE "sextuplet-check" is only one of many reasons why Continental cans are famous for quality, dependability, strength—perfection. The fine equipment that makes the cans—the skill of the men who operate the machines—the knowledge and experience of the experts who make the inspections—the vast resources and facilities of Continental—these are all important reasons why so many canners today prefer to pack their products in Continental cans. For advice on any canning problem—consult Continental. For better cans, equipment, service—come to Continental.

CONTINENTAL CAN COMPANY

NEW YORK • CHICAGO • SAN FRANCISCO • MONTREAL • TORONTO • HAVANA

Nitrocellulose, ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, wks. lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.90 - —
f.o.b. Chemical, Ill.unit-ton. 1.90 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - -
Import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .26 - —
Nutgalls, Aleppo, bgs., oz....lb. .21 - .30
Chinese.....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .13½- .14
West Indian, bgs.....lb. .12½- .13
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks.....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.S..gal. .12½- —
l.c.l., G.S.....gal. .17 - —
tanks, G.2.....gal. .16½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. No stocks
s.p.a., bots.....lb. No stocks
sweet, true, exp., cns.....lb. 1.50 - 1.55
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 4.00 - 5.00
Angelica, root, bots.....lb.125.00 -135.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .85 - .90
Apricot, kernels, cns.....lb. .43 - .44
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.00
55-60% phenols, cns.....lb. 1.00 - 1.10
Bergamot, artif., cns.....lb. 3.75 - 4.00
natural, coppers.....lb.22.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .45 - .65
rect'fd., cns.....lb. 1.15 - 1.40
Bois de rose, Brazil, cns.....lb. 2.10 - 2.20
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus, cns.....lb. 8.25 Nom.
Camphor, sassafrassy, cns...lb. .23 - .24
dms.....lb. .20 - .21
white, cns.....lb. .25 - .26
dms.....lb. .22 - .23
Cananga, native, cns.....lb. 5.00 - 5.50
rectified, cns.....lb. 5.50 - 6.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 4.75
Caraway, USP, cns.....lb. 8.25 Nom.
Cardamom, bots.....lb.20.00 -25.00
Cassia, USP, cs., dms.....lb. 2.10 - 2.20
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l.....lb. .12½- —
cold pressed, USP, bbls., c.l. lb. .10¼- —
l.c.l.....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l...lb. .10 - —
l.c.l.....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks.....lb. .09½- —
dehydrated, dms., c.l.....lb. .1320- —
l.c.l.....lb. .1360- —
tanks.....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l.....lb. .10½- —
dms. (returnable), c.l.....lb. .09¾- —
l.c.l.....lb. .10¼- —
tanks.....lb. .09 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .06½- —
l.c.l.....lb. .07½- —
75% (63% fat), dms., c.l..lb. .09¾- —
l.c.l.....lb. .10¼- —
80% (69% fat), dms., c.l..lb. .09½- —
l.c.l.....lb. .10½- —
Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.
Cedarleaf, cs.....lb. .90 - .95
dms.....lb. .85 - .90
Cedarwood, Southeast, cns...lb. .27 - .28
dms.....lb. .25 - .26
Celery, bots.....lb.19.00 -20.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .2980 Nom.
tanks.....lb. .28½ Nom.
Cinnamon, Ceylon, bots.....lb. 9.75 -27.00
Citronella, Ceylon, cns.....lb. .43 - .45
dms.....lb. .41 - .43
Java, cns., dms.....lb. .42 - .44
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms.....lb. 1.10 - 1.15
Coconut, Manila, crude, tanks, lb. .05½ Nom.
edible, 76°, dms., c.l.....lb. .10½ Nom.
l.c.l.....lb. .11 - —
tanks.....lb. No prices
Cod, Newf., bbls.....gal. .75 Nom.
Codliver, med., USP, bbls..bbl.79.00 -85.00
Coriander, bots.....lb.18.00 -19.00
Corn, crude, tanks, wks.....lb. .08½ Nom.
ref'd., bbls.....lb. .10¾ Nom.
Cottonseed, cooking, bbls....lb. .10¼- —
salad, bbls.....lb. .10½- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.35 - 3.50
Crude (see Petroleum, crude).
Cumin, bots.....lb. 9.00 -10.00
Cypress, bots.....lb. 5.25 - 5.50
Degrass (see D).
Dill seed, bots.....lb. 5.50 - 6.00
weed, bots.....lb. 6.00 - 6.25
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.30

Oil, eucalyptus, cns.....lb. .71 - .73
dms.....lb. .68 - .70
Fennel, sweet, cns.....lb. 2.00 - 2.10
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.15.00 Nom.
Bourbon, cns.....lb.15.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 5.25 - 5.50
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, imp., bots.....gross. No prices
Halibut liver, ref., dms....gal.40.00 - —
Hemlock, cns.....lb. .85 - .95
Juniper, berry, cns.....lb. 9.00 Nom.
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, cns....lb. .50 - .55
Lard, common, 1, bbls.....lb. .09¾- —
2, bbls.....lb. .09½- —
extra, bbls.....lb. .10¼- —
1, bbls.....lb. .09¾- —
Winter strained, bbls.....lb. .10¼- —
prime, burning, bbls.....lb. .11 - —
prime, ined., bbls.....lb. .10½- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs..... lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns.....lb. 7.50 Nom.
35-38% ester, cns.....lb. 5.50 Nom.
30-32% ester, cns.....lb. 5.00 Nom.
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.95 - 2.15
dms.....lb. 1.90 - 2.00
Lemon, Calif., cns.....lb. 3.25 —

Oil, lemon, Messina, coppers, cns. lb. 4.75 - 5.00
Terpeneless, Type 1.....lb.16.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.10 - 1.15
Lime, dist., cns.....lb. 5.50 - 6.00
expressed, cns.....lb. 9.00 - 9.50
Terpeneless, Type 1.....lb.67.50 -78.00
Type 2.....lb.46.50 -50.00
Linaloe wood, cns.....lb. 1.75 - 2.00
Linseed, raw, dms., c.l.....lb. .1070- .1090
l.c.l., 10 to 69.....lb. .1100- .1120
5 to 9.....lb. .1130- —
less than 5.....lb. .1150- —
tanks.....lb. .1000- .1020
Boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 100-600 vis., 2¼-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .12½- .18
neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .08¼- .12¼
200-280 vis., 5, 15-25 pour, tanks..gal. .08¼- .10¼
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks..gal. .15 - .17¼
cylinder oils, 600-630 flash, tanks..gal. .10 - .12
600-650 steam ref'd, tanks..gal. .09 - .11

Nitrocellulose—Oil, Olive

Oil, lubricating, neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .21 - .25½
200 vis., 0-25 pour, tanks..gal. .23 - .27½
Mace, dist., cns., dms.....lb. 2.25 - 2.35
Mandarin, superior, coppers.lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. No prices
ref'd, alkali, dms.....lb. .1020- —
kettle-bodied, dms.....lb. .1120- —
light-pressed, dms.....lb. .0940- —
tanks.....lb. .0840- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns..lb. 1.50 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls.. lb. .15¾- —
extra, bbls.....lb. .10¼- —
1, bbls.....lb. .09¾- —
prime, bbls.....lb. .10¾- —
pure, bbls.....lb. .11¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.200.00 -325.00
Nutmeg, dist., cns., dms....lb. 2.25 - 2.35
Oleo, 1, bbls.....lb. .11 - —
2, bbls.....lb. .10¾- —
Oiticica, dms.....lb. .16 - .17½
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 2.35 Nom.
edible, dms.....gal. 4.00 Nom.
foots, dms.....lb. .13¼ Nom.

American AROMATICS OF *Exceptional* QUALITY

AMERICAN manufactured Aromatic Chemicals . . . of exceptionally fine quality . . . are available to fulfill your requirements.

Our domestic industry is equipped to take care of practically every perfume problem confronting the manufacturer of soap, perfume or cosmetics.

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ALPHA AMYL CINNAMIC ALDEHYDE
IONONE COMPLETE
PARA CRESOL ETHYL ETHER
PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

PRODUCT GL 4C—A non-toxic wetting agent with excellent foaming qualities for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

COLLORESIN—Replaces Gum Tragacanth satisfactorily.

INDOL

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GENERAL DRUG COMPANY
644 Pacific St., Brooklyn, N.Y.
Transportation Bldg., Los Angeles
9 S. Clinton St., Chicago
1019 Elliott St., W., Windsor, Ont.

Oil, Olive—Pomegranate Bark

Oil, olive, sulphonated, 50% (40% fat), dms., c.l..lb. .09½- —
l.c.l. .lb. .10½- —
75% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .lb. .13½- —
90% (68% fat), dms., c.l..lb. .127 - —
l.c.l. .lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, Calif., cns.....lb. 2.25 - —
Florida, cns.....lb. 1.75 - 1.80
Messina, USP, coppers..lb. 2.00 Nom.
West Indies, cns.....lb. 2.30 - 2.40
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.50 - 1.55
Palm, Niger, dms.....lb. .05 Nom.
softs, 12½%, bulk, shipt..lb. .04½ Nom.
Sumatra, shipt., bulk.....lb. .04¾ Nom.
Palmarosa, cns.....lb. 3.00 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
250° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
380° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 5.25 - 5.50
Peanut, crude, nom., tanks..lb. .08 Nom.
refd., edible, bbls.....lb. .10½ Nom.
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.25 - 2.50
Peppermint, natural, cns., dms. lb. 3.40 - 3.65
redist., USP, cns., dms.....lb. 3.65 - 3.90
Perilla, dms.....lb. .18 - .18½
tanks .....lb. .16½- .17½
Petitgrain, Paraguay, cns...lb. 1.50 - 1.55
dms.....lb. 1.45 - 1.50
Pimento berry, cns.....lb. 5.00 - 5.25
leaf, cns.....lb. 2.50 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.35 - 1.40
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .26 - —
dms., c.l., Boston, Providence, gal. .28 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Maritime, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .12 - .12¼
tax not incl., tanks.....lb. .06¾- —
blown, dms.....lb. .17½- —
Red, dist., or saponif., dms., dlvd..lb. .09½- .10½
tanks, dlvd.....lb. .08¾- —
Rose, synth., bots.....oz. 1.35 - 2.00
natural, coppers.....oz.11.00 -20.00
Rosemary, Spanish, cns.....lb. .83 - .88
dms.....lb. .80 - .85
Rosin, 1st rectified, dms....gal. .40 - —
2d rectfd., dms.....gal. .42 - —
3d rectfd., dms.....gal. .46 - —
Rue, bots.....lb. 6.25 - 6.50
Sage, cns.....lb. No stocks
Sandalwood, E.I. USP, cns..lb. 4.95 - 5.25
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .55 Nom.
refd., alkali, dms.....lb. .1020- —
kettle-bodied, dms.....lb. .1120- —
light-pressed, dms.....lb. .0940- —
tanks .....lb. .0840- —
Sassafras, artif., cns.....lb. .75 - —
dms.....lb. .72 - —
natural, cns., dms.....lb. 1.00 - —
Savin, cns.....lb. No stocks
Savory, cns.....lb. 5.75 Nom.
Shark liver, crude, dms..... million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .08¾ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.50
Soybean, dom., crude, dms..lb. .08¾- .09½
tanks .....lb. .07¾ Nom.
refd., dms.....lb. .09½- .10¼
tanks .....lb. .08¾- .09
Spearmint, dms.....lb. 2.75 - 3.00
Sperm, bleach, 38°, dms.....lb. .1170- —
45°, dms.....lb. .1100- —
natural, dms.....lb. .1050- —
Spruce, cns., dms.....lb. .85 - .95
Sweet, birch, North, cns....lb. 2.75 - 3.00
South, cns.....lb. 1.60 - 1.65
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., dlvd..lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .06¼
tanks dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .05¾- —
Tallow, acidless, bbls.....lb. .09¼- —
tanks .....lb. .09 - —
Tansy, cns.....lb. 4.50 - 4.75
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .28 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teased, crude, dms.....lb. .18¼ Nom.
refined, dms.....lb. .22 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 2.00 - 2.05
white, cns.....lb. 2.25 - 2.30
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.60 - 2.80
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, bots.....lb. 6.00 -10.00
Whale, ref., natural, dms...lb. .0950- —
winter, bleach, dms.....lb. .0990- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .30 - .37
65-75 vis., dms.....gal. .32 - .39
80-90 vis., dms.....gal. .33 - .40
USP, 95-105 vis., dms..gal. 39½- .46½
125-135 vis., dms.....gal. .45 - .53
140-150 vis., dms.....gal. .47 - .55
175-185 vis., dms.....gal. .50½- .58½
200-210 vis., dms.....gal. .53½- .61¾
320-330 vis., dms.....gal. .60 - .68
335-345 vis., dms.....gal. .61 - .69
Russian, 80-90 vis., dms....gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 5.50 - 5.75
South, cns.....lb. 3.75 - 4.00
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.50 - 2.60
Wormwood, cns.....lb. 4.50 - 4.75
Ylang-ylang, Bourb., bots., cns., Manila, bots.....lb.12.50 Nom. lb.40.00 -41.00

Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 6 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., works..ton. 9.50 - —
ground, 325 mesh c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¼- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Orris root, Florentine, bgs....lb. .80 Nom.
fingers, cs.....lb. 1.50 Nom.
powd., bbls., bxs.....lb. .85 Nom.
Verona, bls.....lb. .75 Nom.
powd., bgs., cns.....lb. .80 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthobanisidin, bbls.....lb. .70 - —
Orthochloraniiin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16 - —
l.c.l., same basis.....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis..lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniiin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, crystl., bbls. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs. works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

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Papain, powd., cs.....lb. 1.40 - 1.45
Paprika, Algerian, bgs.....lb. .33 - .34
Bulgarian, bgs.....lb. .27½- .28
Portugese, fancy, bgs.....lb. .32½- .33
good, bgs.....lb. .29 - .30
Spanish, extra fancy, cs....lb. .38½- .39
medium, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms, c.l..lb. .11 - .12
l.c.l. .lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .03 - .03¼
bbls., c.l., N.Y.....lb. .03 - .03¼
124-126 A.m.p., bgs., c.l., Okla, refy..lb. .0305- .0330
bbls., c.l., N.Y.....lb. .0305 -.0330
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .0290- .0310
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb. .0570- —
128-130 A.m.p., bgs. or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs. or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0650- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0725- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs. or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.
Paraffin, match, A.m.p., up to and incl. 110-112 bbls., c.l.lb. .03½- —
semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C...lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55- and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Parapitrophenol, kgs.....lb. .35 - —
Paramisidine, dms.....lb. .75 - —
Paranitroaniiin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld..lb. .23 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd., lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.60 - —
less than barrel lot.....lb. 1.50 - —
Pentane, norm., 28-38°, dms., c.l., G.3...gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .08½
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .06 Nom.
Lampong, bags.....lb. .0640- .0670
Tellicherry, bags.....lb. .08 Nom.
white, Java, Muntok, bags..lb. .12 - .12¼
Muntok, small berry, bags.lb. .11¾- .12
red, chillies, Japan, Hontaka..lb. .20½- .21
Mombassa, bgs.....lb. .26 - .26½
Peppermint leaves, dom., bls..lb. .75 - .80
import, bls.....lb. 1.10 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..bl. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. allds..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.
Peru, balsam, dms.....lb. .70 - .75
Petrolatum, amber, dms., c.l..lb. .02¾- —
l.c.l. .lb. .03¾- —
amber, extra, dms.....lb. .03 - —
l.c.l. .lb. .04 - —
white, cream, dms., c.l.....lb. .04 - —
l.c.l. .lb. .05½- —
lily, dms., c.l.....lb. .04¾- —
l.c.l. .lb. .06¼- —
snow, dms., c.l.....lb. .05½- —
l.c.l. .lb. .07½- —
Petroleum, crude, bulk, at wells:—
California .....bbl. .60 - 1.71
Canada .....bbl. 1.08 - 1.70
Central West:—
Illinois .....bbl. 1.22 - —
Ohio .....bbl. 1.05 - 1.10
Michigan .....bbl. 1.07 - 1.28
Indiana .....bbl. 1.05 - —
East Texas.....bbl. 1.15 - —
Gulf Coast.....bbl. .96 - 1.38
Kentucky, Tennessee, ...bbl. 1.12 - 1.20
Louisiana, Arkansas.....bbl. .58 - 1.26
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .65 - 1.15
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.30 - —
Corning .....bbl. 1.17 - —
N. Y. Transit lines....lb. 2.30 - —
Eureka lines.....bbl. 1.89 - —
S. W. Penn lines.....bbl. 1.95 - —
Lower district in National Transit lines..bbl. 2.18 - 2.23
Rocky Mountains.....bbl. .35 - 1.15
South Central and Southwestern Texas..bbl. .95 - 1.29
Texas Panhandle, W. Texas and N. Mexico.....bbl. .60 - 1.02
Ether, normal, tanks, G.3...gal. .09¾- —
dms., c.l., dlvd.....gal. .24 - —
l.c.l., 5 or more, dlvd..gal. .29 - —
1-5, dlvd.....gal. .38 - —
laboratory grade, dms., c.l., G.3.gal. .14½- —
l.c.l., G.3.....gal. .25¼- —
10-gal. lots, G-3.....gal. .50½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .10 - —
Group 3, toluol type, tanks, gal. .06¾- .07½
Benzol type, tanks..gal. .06¾- .07½
Mineral spirits, at refinery:—
California (f.o.b. San Francisco), 166-262 b.r., tanks, gal. .10½- —
198-290 b.r., tanks..gal. .10½- —
246-397 b.r., tanks..gal. .10½- —
312-408 b.r., tanks..gal. .09 - —
362-458 b.r., tanks..gal. .09 - —
East Coast, 43-47, tanks.gal. .08½- —
Group 3, tanks.....gal. .0540- .05¾
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul..gal. .1 9½- —
Newark .....gal. .09½- —
New York (200 gal)...gal. .09 - —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .0640- .06¾
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
Petroleum, naphtha, cleaners', tankwagon, New York, ex tax..gal. .10 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 80% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V. M. & P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco.....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .0640- .06¾
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), bbls..gal. .24 - —
East Coast, tanks.....gal. .09½- —
Group 3, tanks.....gal. .0640- .06¾
Stoddard (CS 8-53), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks.....gal. .08½- —
Group 3, tanks.....gal. .0590- .06¼
Tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax. gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09 - —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .12¾- —
under 1,000 lbs.....lb. .13¾- —
tanks, works.....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenyl ethyl acetate, cns....lb. 2.90 - 3.00
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.55 - —
hydrochloride, CP, bots, works, lb. 7.10 - —
commercial, kgs, works.....lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines, long ton. 2.50 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons..lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vis..oz. 3.50 - 3.75
Nitrate, bots., vis.....oz. 3.50 - 3.75
Pimento, Jamaican, bgs.....lb. .35 - .37
Mexican, bgs.....lb. .13 - .13½
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Polyamyl naphthalene, l.c.l., dms., works..lb. .30 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65

Poppy flowers, red, bls.	lb.	.70 -	.75
Seed, Dutch, bgs.	lb.	.36 -	.37
Roumanian, bgs.	lb.	.32½-	.33
Turkish, bgs.	lb.	33½-	.34
Potash abietate	lb.	.08 -	—
Acetate, tech., bbls., dlvd.	lb.	.26 -	—
kgs., dlvd.	lb.	.28 -	—
USP, bbls., 250 lbs.	lb.	.28 -	—
kgs., 100 lbs.	lb.	.30 -	—
cns., 25 lbs.	lb.	.31 -	.44
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 -	—
demj., 50 lbs.	lb.	.12 -	—
Bicarbonate, USP, cryst., bbls., 500 lbs.	lb.	.17 -	—
kgs., 100 lbs.	lb.	.19 -	—
gran., bbls., 250 lbs.	lb.	.17 -	—
kgs., 100 lbs.	lb.	.19 -	—
Bichromate, spot, c.l., works.	lb.	.08¾-	—
6 casks or 10 bbls., or over, works.	lb.	.09 -	—
5 casks or 9 bbls., or less, works.	lb.	.09¼-	—
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27 -	—
fib. dms., 100 lbs.	lb.	.28 -	—
Carbonate, calc., dms., c.l., works.	lb.	.06½-	—
l.c.l., same basis	lb.	.06¾-	—
hydrated, 83-85%, bbls., c.l., works.	lb.	.05½-	—
l.c.l., same basis	lb.	.05¾-	—
liquid, dms., c.l., works, frt. alld.	lb.	.03 -	—
l.c.l., dms., same basis.	lb.	.03½-	—
tanks, same basis	lb.	.02¾-	—
USP, gran., bbls., 325 lbs.	lb.	.14 -	—
powd., bbls., 325 lbs.	lb.	.19 -	—
kgs., 100 lbs.	lb.	.21 -	—
Caustic, flake, 88-92%, dom., c.l., works.	lb.	.07 -	—
import, dms.	lb.	No prices	
liquid, 45% basis, dms.	lb.	.03½-	.03¾
tanks	lb.	.02¾-	—
solid, 88-92%, dom., dms., c.l., works.	lb.	.03¼-	—
l.c.l.	lb.	.06½-	.06¾
import, dms.	lb.	No prices	
Chlorate, cryst., kgs.	lb.	.11	Nom.
pwd., kgs.	lb.	.09½-	.10
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.08	Nom.
Chromate, kgs.	lb.	.24 -	.27
Citrate, USP, gran., bbls., 250 lbs.	lb.	.33½-	—
kgs., 100 lbs.	lb.	.34½-	—
cns., 50 lbs.	lb.	.35½-	—
cns., 25 lbs.	lb.	.37½-	—
Cyanide, dom. dms., works.	lb.	.55 -	—
Cyanide, gold, 41% gold, bots., works.	oz.	14.20 -	14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots.	lb.	1.00 -	—
100-lb. lots.	lb.	1.10 -	—
50-lb. lots, cbys., or cns.,	lb.	1.15 -	—
25-lb. lots, cns.	lb.	1.25 -	—
Guaiacolsulphonate, fib. dms., 100-lb. lots.	lb.	1.60 -	1.65
cns., 25 lbs.	lb.	1.75 -	—
Hydroxide, USP, sticks cns., 100 lbs. to 1,000 lbs.	lb.	.32 -	.34
Hypophosphite, cns., 100 lbs.	lb.	.72 -	—
25 to 50 lbs.	lb.	.75 -	—
Iodate, bots., 5 lbs.	lb.	3.55 -	—
cns., 25 lbs.	lb.	3.46 -	—
Iodide, bbls., 250 lbs.	lb.	1.20 -	—
bots., or cns.	lb.	1.29 -	1.55
dms.	lb.	1.29 -	1.35
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports.	ton.	No prices	
Manure salt, dom., min., 30%, K_2O, bulk, ex vessels, ports.	Unit-ton.	.60 -	—
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	No prices	

Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.	lb.	.21	Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports.	unit-ton.	53½-	—
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port	unit-ton.	No prices	

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs.	lb.	.30 -	.31
tech., bbls., dms.	lb.	.28 -	.34
Nitrate, crude, bgs., c.l.f. ports.	ton.	No prices	
Perchlorate, kgs., works.	lb.	.09¼-	.11
Permanganate, tech., dms.	lb.	.19¼-	.19¾
U.S.P., dms.	lb.	.20 -	.20½
Prussiate, red., bbls.	lb.	No prices	
Yellow, bbls.	lb.	.16 -	.18
Reclnoleate, tech., bbls.	lb.	.13 -	—
Silicate alkaline, lumps, bgs.	lb.	.07 -	—
Sulphate, NF, cryst., 400 lbs., bbls.	lb.	.18	Nom.
100-lb. kgs.	lb.	.20 -	—
powd., 350 lbs., bbls.	lb.	.19	Nom.
100-lb. kgs.	lb.	.21 -	—
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports.	ton.	36.25 -	—
bulk, same basis	ton.	34.25 -	—
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports.	ton.	No prices	
Xanthate, dms., c.l.	lb.	16 -	—
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports.	ton.	27.00 -	—
bulk, same basis	ton.	25.00 -	—
Potash-soda ferricyanide, dms., works.	lb.	.36 -	.39
Potash titanium oxalate, 350-lb. bbls.	lb.	.40 -	—
100-lb. dms.	lb.	.40 -	—
Prickly ash bark, bls.	lb.	.12 -	.13
Berries, bgs.	lb.	.28 -	.30
Prince's pine herb, bls.	lb.	.22 -	.25
Procaine, hydrochloride, 25-lb. cns.	lb.	8.00 -	—
5-lb. cans	lb.	8.25 -	8.50
1-lb. bots.	lb.	8.75 -	—
Propane, tanks, Group 3	gal.	.03¾-	.04
Psyllium seed (see Fleaseed).			
Pulsatilla, bls.	lb.	.85 -	.90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works.	lb.	No prices	
less than 3, works.	lb.	No. prices	
F and I, bbls., 3 or over, works.	lb.	No prices	
less than 3, works.	lb.	No prices	
O, O—½, O—¾, and ½, bbls., 3 or over, works.	lb.	No prices	
less than 3, works.	lb.	No prices	
Ital.-grd., bgs., c.l., ship., ex dock, N. Y.	ton.	No prices	
l.c.l., 5-29 tons, ex whse.	ton.	No prices	
1,000-10,000 lbs., ex whse.	ton.	No prices	
1 to 1,000 lbs., ex whse.	ton.	No prices	
single bag., ex whse.	ton.	No prices	
Pumpkin seed, bgs.	lb.	.10 -	.11
Purple lake (see Red).			
Putty, com'l, dms.	100 lbs.	3.15 -	—
linseed oil, raw, dms.	100 lbs.	5.00 -	—
refined, dm.	100 lbs.	5.50 -	—
standard, dms.	100 lbs.	4.20 -	—
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd.	gal.	4.75 -	4.95
(30 to 1), 3 grams pyrethins per 100 cc., dms., dlvd.	gal.	7.20 -	—
Pyrethrum flowers, coarse, grnd. (g.f.p.), 2% pyrethrins, frt. alld., bbls.	lb.	.22 -	.25
fine powd., 2% pyrethrins, frt. alld., bbls.	lb.	.25 -	.28
Pyridin, denaturing, dms.	gal.	1.71 -	—
refd., 2°, dms.	lb.	.48 -	—
Pyrites Spanish, bulk, c.l.f. Atl. ports.	unit-ton.	No prices	
Pyrocatechin, CP, cryst., works, fib. dms., tins.	lb.	2.15 -	2.40
resublimed, fib. dms., tins.	lb.	4.60 -	—
Pyrophylite, standard, 200 mesh, c.l., mines.	ton.	9.00 -	—
325 mesh, same basis	ton.	12.00 -	—
No. 3, 200 mesh, c.l., mines.	ton.	7.50 -	—
325 mesh, same basis	ton.	12.00 -	—
Pyroxylin scrap amber, cs., works.	lb.	.12 -	—
black, cs., works.	lb.	.10 -	—
Pyroxylin, scrap, china white, ivory, cs., works.	lb.	.13 -	—
dense, white, cs., works.	lb.	.10 -	—
gray, cs., works.	lb.	.08 -	—
mixed, mottles, opaque, cs., works.	lb.	.04 -	—
translucent pastels, cs., works.	lb.	.10 -	—
transparent, cs., works.	lb.	.20 -	—
colors, cs., works.	lb.	.12 -	—
shavings, amber, cs., works.	lb.	.16 -	—
colors, mixed, cs., works.	lb.	.10 -	—
white, cs., works.	lb.	.18 -	—

Q

Quassia chips, bls.	lb.	.05 -	.06
Quebracho extract, liquid, 35% tan, bbls., works.	lb.	.04½-	—
tanks, works.	lb.	.03¾-	—
solid, 63%, bgs., c.l., ex dock, plus duty.	lb.	.04½-	—
clarified, 64%, bgs., c.l., same basis.	lb.	.05½-	—
pwd., bgs., c.l.	lb.	.07½-	—
l.c.l., bgs.	lb.	.08½-	—
Queen of the meadow leaves, bgs.	lb.	.07½-	.08
Root, bgs.	lb.	.10 -	.11
Quercitron, extract, liquid, 50°, bbls.	lb.	.08½-	.09½
solid, dms.	lb.	.11 -	.16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y.	flask.	184.00 -	185.00
European, flasks (76 lbs. net), c.l.f., N. Y., incl. war risk insurance.	flask.	250.00 -	—
ex store	flask.	252.00 -	—
Quince seed, bgs.	lb.	1.10 -	1.15

Poppy Flowers—Quinine

Quinidine, N.F.V., cryst., cns.	oz.	1.06 -	—
powd., precip., cns.	oz.	1.01 -	—
Sulphate, cns.	oz.	.71 -	—

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.	oz.	.84 -	—
Acetate, cans.	oz.	1.05 -	—
Arsenate, cns.	oz.	1.05 -	—
Arsenite, cns.	oz.	1.07 -	—
Bisulphate, cns.	oz.	.60 -	—
Citrate, cns.	oz.	.78 -	—
Dihydrobromine, bots.	oz.	.82 -	—
Dihydrochloride, bots.	oz.	.82 -	—
Ethylcarbonate, cns.	oz.	.85 -	—
Ferrocyanide, cns.	oz.	1.07 -	—
Formate, cns.	oz.	1.00 -	—
Hydrochlorosulphate, cns.	oz.	.81 -	—
Glycerophosphate, cns.	oz.	1.20 -	—
Hydrochloride, cns.	oz.	.76 -	—
Hydroiodide, cns.	oz.	1.05 -	—
Hypophosphite, cns.	oz.	1.07 -	—
Phosphate, cns.	oz.	.90 -	—
Salicylate, cns.	oz.	.79 -	—
Sulphate, USP, XI, cns.	oz.	.87 -	—
Sulphocarbonate, cns.	oz.	1.05 -	—
Tannate, cns.	oz.	.63 -	—
Tartrate, cns.	oz.	1.02 -	—
Valerate, cns.	oz.	.90 -	—

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns. oz. .81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

● To every user of solvents there comes a time when the supplier *must* be able to render emergency service.

When this happens in YOUR plant—*as it is certain to do sooner or later*—you will realize why so many users of solvents consider Skellysolve the most economical. You will find that *you can depend on Skelly to come through*—whether it is a question of super-fast delivery, a knotty technical problem, or some other special service you *must* have to prevent a shutdown. That's Skellysolve service—that's what makes good service *good!*

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R Salt—Shellac

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¾- .06½
medium, recleaned, bags..lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld. lb. .80 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
Red, cadmium, lithopone, light shade, kgs., ton lots, same basis..lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis..lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Selenide, bbls., light, works..lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80-85%, bbls., same basis...lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Red, litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., dom., bbls., lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Angeles, Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Red, purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 - 3.17
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin.....gram 1.50 - 1.65
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .48
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.16 - —
D, bbls.....100 lbs. 2.43 - —
E, bbls.....100 lbs. 2.43 - —
F, bbls.....100 lbs. 2.46 - —
G, bbls.....100 lbs. 2.48 - —
H, bbls.....100 lbs. 2.48 - —
I, bbls.....100 lbs. 2.48 - —
K, bbls.....100 lbs. 2.52 - —
M, bbls.....100 lbs. 2.52 - —
N, bbls.....100 lbs. 2.67 - —
W. G., bbls.....100 lbs. 3.11 - —
W. W., bbls.....100 lbs. 3.31 - —
X, bbls.....100 lbs. 3.31 - —
wood, F.F., bbls.....100 lbs. 1.65 - 2.00
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.27.00 -28.00
Safrol, cns.....lb. .90 - —
dms.....lb. .83 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.50 - 1.60
Greek, anoat, bls.....lb. .45 - .47
Spanish, bls.....lb. No stocks
Sago, flour, bgs.....lb. .04¼- .04¾
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y..ton.13.70 - —
l.c.l., bgs., dlvd. N. Y..ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.16.50 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 18-20 tons, bbls..100 lbs. 8.60 - 9.00
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons..... 100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons..... 100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots..100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .28 - .30
Mexican, bls.....lb. .17 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .18
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .60 - .65
f.o.b. N.Y..lb. .31 - .32
Shellac, bleached, 3onedry, bbls. dlvd., Boston.....lb. .31½- .32¼
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
rfd., bbls., f.o.b. N.Y.....lb. .37 - .38
dlvd., Boston.....lb. .37½- .38¼
Chicago.....lb. .37¾- .38¾
Pacific Coast.....lb. .40 - .41
Garnet, bxs.....lb. .25 - .26
D.C., V.S.O., or Diamond L cs., cs..lb. .34 - .35

FROM A CHEMIST'S NOTEBOOK

Sulfur Dichloride
Sulfur Monochloride
Aluminum Chloride, Anhydrous
Antimony Trichloride, Anhydrous
Arsenic Trichloride, Anhydrous

HOOKER DELIVERIES CONSISTENTLY CHECK WITH SPECIFICATIONS IT'S SAFE TO RELY ON THE PURITY AND UNIFORMITY OF HOOKER CHEMICALS

Ferric Chloride Solution
Caustic Soda
Liquid Chlorine
Bleaching Powder
Muriatic Acid
Sodium Sulfide

HOOKER
FOR UNIFORM PURITY

WHETHER the product is one of the group of HOOKER heavy chemicals, metal chlorides or fine chemicals, HOOKER laboratory-control throughout production, and laboratory checking of adequate test samples before shipment insure unusually accurate adherence to specifications. In addition to that, HOOKER research has developed standards of purity that have set the pace in many industries. It is safe to rely on the purity and uniformity of HOOKER Chemicals. Consultation and inquiries are invited.

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HOOKER E C CO ELECTROCHEMICAL

332

Shellac, superfine, bgs., f.o.b. Boston, N. Y..lb. .25 - .26
dlvd., Chicago.....lb. .25½- .26¼
Pacific Coast.....lb. .28 - .29
T. N., bgs., f.o.b. Boston, N. Y..lb. .24½- .25½
dlvd., Chicago.....lb. .25 - .26
Pacific Coast.....lb. .28 - .29
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
white, 5-lb. cut, bbls.....gal. 1.35 - 1.40
4½-lb. cut, bbls.....gal. 1.30 - 1.35
4-lb. cut, bbls.....gal. 1.25 - 1.30
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34⅝- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .24 - —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls. bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - .04¼
l.c.l., dlvd..lb. .04⅝- .05
USP, bbls., dlvd.....lb. .06 - —
90%, dms., c.l., dlvd.....lb. .06 - .06½
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —

Soda, bisulphite, solut., 35 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.80
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
76%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2.....100 lbs. 3.30 - —
3.....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

Shellac—Soda Diacetate

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l. works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
anhy., dms., dlvd.....lb. .12½- —

IS YOUR PULP-MAKING PROBLEM IN ONE OF THESE BEAKERS?

Pulp manufacturers all over the country are taking advantage of Solvay's outstanding pulp technology service . . . a service which has proven highly successful because of Solvay's emphasis on down-to-earth as against "hypothetical" research.

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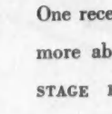
In the Solvay laboratories, actual pulp and paper men with years of practical experience in pulp and paper mills study your problems and make sample runs of pulp as a basis for recommendations.

Solvay will be glad to send these pulp specialists into your plant to study actual operating conditions *and help adapt laboratory findings to specific plant conditions.*



Development of new products and new processes is another important aspect of Solvay research for the pulp and paper industry. One recent example of this work worth knowing more about is the new SOLVAY MULTI-STAGE PULP BLEACHING OPERATION.

These Solvay Products help you make better Pulp for all Purposes

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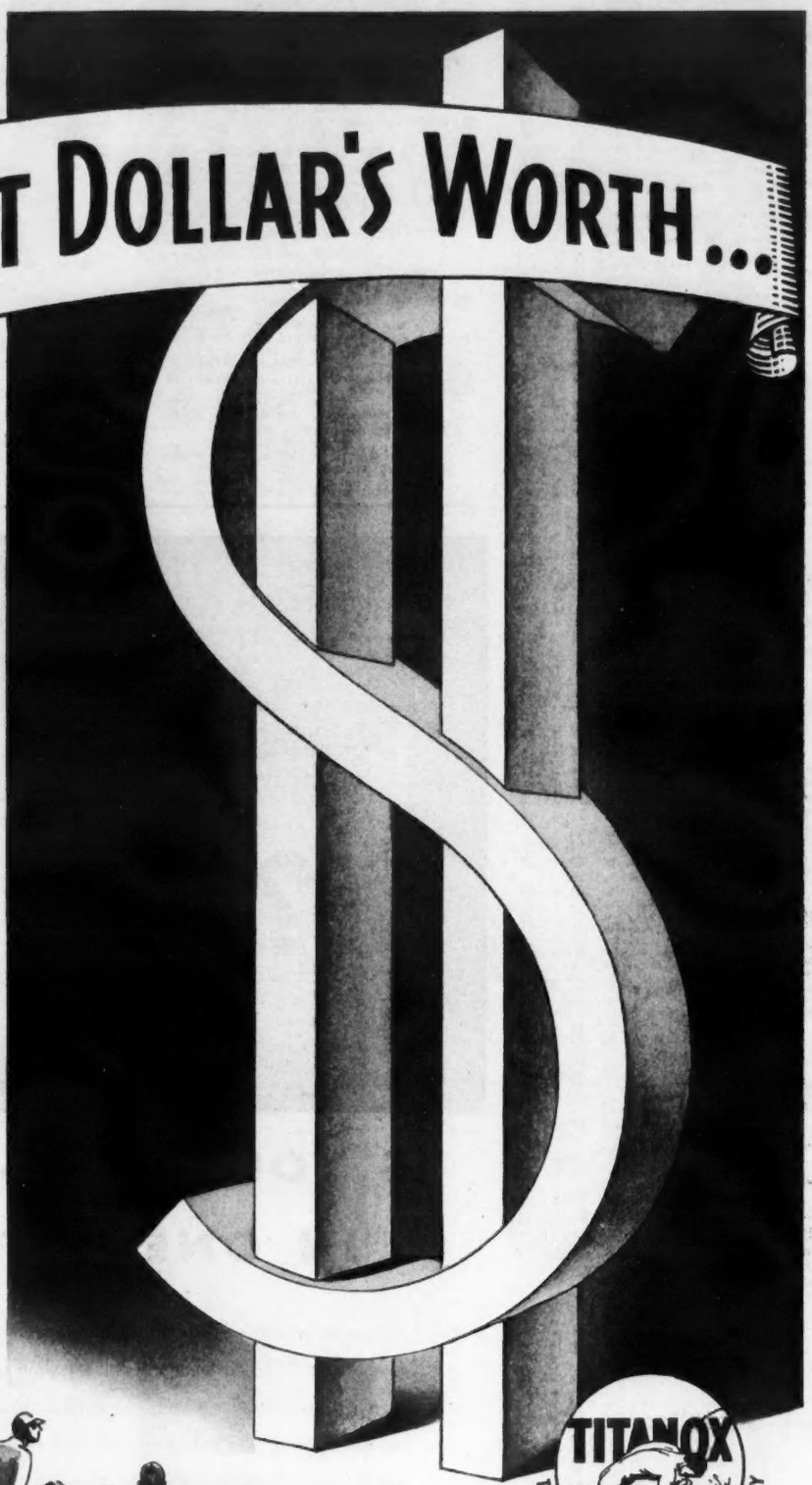

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With tinting strength of about 600, low specific gravity, fine particle size and high light reflectance

TITANOX-RC-HT

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TITANOX-RC-HT (rutile calcium pigment—high tinting)—the new pigment for interior use—is a type similar to TITANOX-RC, the new chalk resistant pigment for exterior finishes. TITANOX-RC-HT has hiding power of from thirty to forty per cent greater than that of normal titanium calcium pigments in both gloss and flat finishes.

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REG. U.S. PAT. OFF.

TITANOX-RC

is one of the most highly chalk-resistant types of pigment ever produced, thereby making it suited to *exterior* coatings, both white and tinted. It has 90 to 100 points higher tinting strength than ordinary titanium calcium pigment which means at least 20 per cent more hiding at no extra cost.

TITANOX
TRADE MARK

Soda, fluoride, white, 90%, bbls., c.l., frt. alld.	lb.	.07	- —
l.c.l., 10 or over, same basis	lb.	.07½	- —
1-9, same basis	lb.	.08	- —
95%, bbls., c.l., same basis	lb.	.07¼	- —
l.c.l., 10 or over, same basis	lb.	.07¾	- —
1-9, same basis	lb.	.08¼	- —
Soda fluoride prices at Los Angeles are f.a.s. works.			
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots	lb.	1.10	- —
smaller lots	lb.	1.25	- —
cns., 25 lbs	lb.	1.50	- —
powd., bbls., 1,000-lb. lots	lb.	1.15	- —
smaller lots	lb.	1.30	- —
cns., 25 lbs	lb.	1.55	- —
Hydrosulphite, dms	lb.	.17	- .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots	lb.	.22	- .24
Hypophosphite, N. F., cns., 100-lb. lots	lb.	.67	- —
Hyposulphite, cryst, large, bgs., works, frt. equal'd	100 lbs.	2.25	- —
bbls., same basis	100 lbs.	2.45	- —
l.c.l., bgs., works, frt. equal'd	100 lbs.	2.50	- —
bbls., same basis	100 lbs.	2.70	- —
pea, bgs., c.l., works	100 lbs.	2.60	- —
bbls., works	100 lbs.	2.80	- —
dms., works	100 lbs.	3.10	- —
5,000 lbs. and over, bgs., works	100 lbs.	2.75	- 3.00
bbls., works	100 lbs.	2.95	- 3.20
dms., works	100 lbs.	3.25	- 3.60
2,500 to 5,000 lbs., bgs., works	100 lbs.	2.85	- 3.10
bbls., works	100 lbs.	3.05	- 3.30
dms., works	100 lbs.	3.35	- 3.60
500 to 2,500 lbs., works,	100 lbs.	3.10	- 3.25
bbls., works	100 lbs.	3.30	- 3.55
dms., works	100 lbs.	3.60	- 3.85
less than 500 lbs., bgs., works	100 lbs.	3.70	- 3.95
bbls., works	100 lbs.	3.90	- 4.15
dms., works	100 lbs.	4.20	- 4.45
Iodate, jars	lb.	5.49	- —
Iodide, jars	lb.	2.42	- —
bots.	lb.	2.53	- 2.57
Mandelate, dms., 100-lb.	dms. lb.	3.25	- —
Metanilate, bgs.	lb.	.41	Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equalld.	100 lbs.	3.75	- —
15 dms. and over, divd. N.Y.	100 lbs.	4.65	- —
3-14 dms., same basis	100 lbs.	4.80	- —
1-2 dms., same basis	100 lbs.	5.05	- —
gran., bbls., c.l., works	lb.	2.35	- —
10 bbls. and over, divd., N.Y.	lb.	3.10	- —
1-9 bbls., divd. N.Y.	lb.	3.35	- —
Molybdate, kgs., works	lb.	.60	- —
less kgs.	lb.	.65	- —
Monohydrated, bbls.	100 lbs.	2.60	- —
works	100 lbs.	2.30	- —
Naphthionate, bbls.	lb.	.50	- —
Nitrate, crude, c.l., 100-lb. bgs., divd., f.o.b. cars producing points or ports, rail or boat shipment	ton.	29.40	- —
200-lb. bgs., same basis	ton.	28.70	- —
bulk, same basis	ton.	27.00	- —
rfd., gran., bbls., 10-ton	100 lbs.	2.50	- —
1-9 tons	100 lbs.	2.65	- —
smaller lots	100 lbs.	2.90	- —
powd., bbls., 10 tons	100 lbs.	5.50	- —
1-9 tons	100 lbs.	5.65	- —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized	lb.	.06¾	- —
c.l., West Coast, f.o.b. ports	lb.	.08	- —
l.c.l.	lb.	.08¼	- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.			
Orthosilicate, anhy., dms., c.l., works, frt. equal'd	lb.	4.50	- —
15 dms., and over, same basis	lb.	5.45	- —
3-14 dms., same basis	lb.	5.60	- —
1- 2 dms., same basis	lb.	5.85	- —
flake, dms., c.l., works	100 lbs.	3.00	- —
Oxalate, neut., bbls.	lb.	.09	- —
kgs.	lb.	.10	- .11
Perborate, NF, bbls., c.l., works,	lb.	.14¾	- —
l.c.l., works	lb.	.15¼	- —
Pentachlorphenate briquets, single bgs., works	lb.	.26	- —
70 lbs., bgs., works	lb.	.19½	- —
490 lbs., bgs., works	lb.	.17½	- —
powd., 100 lbs., bgs., works,	lb.	.19	- —
500 lbs., bgs., works	lb.	.17	- —
Phosphate, dibasic, anhyd., bgs., c.l., works	100 lbs.	5.40	- —
l.c.l., works	100 lbs.	5.55	- —
bbls., c.l., works	100 lbs.	5.60	- —
l.c.l., works	100 lbs.	5.55	- —
cryst., tech., bgs., c.l., works	100 lbs.	2.20	- —
l.c.l., works	100 lbs.	2.60	- —
bbls., c.l., works	100 lbs.	2.40	- —
l.c.l., works	100 lbs.	2.80	- —
monobasic, anhyd., bgs., c.l., works	100 lbs.	7.25	- —
l.c.l., works	100 lbs.	8.00	- —
bbls., c.l., works	100 lbs.	7.45	- —
l.c.l., works	100 lbs.	8.20	- —
tribasic, bgs., c.l., works	lb.	2.35	- —
l.c.l., works	100 lbs.	2.75	- —
bbls., c.l., works	100 lbs.	2.55	- —
l.c.l., works	100 lbs.	2.95	- —
kegs, c.l., works	100 lbs.	3.05	- —
l.c.l., works	100 lbs.	3.45	- —
USP (dibasic), bbls., works,	lb.	.09	- .11
dried, bbls., dms., works	lb.	.11½	- .14
Picramate, kgs.	lb.	.65	- —
Prussiate, yellow, bbls., 10,000 lbs. or more	lb.	.10½	- —
contracts	lb.	.09½	- —
smaller lots	lb.	.10¾	- —
contracts	lb.	.09¾	- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd	100 lbs.	5.10	- —
l.c.l., same basis	100 lbs.	5.35	- 5.60
bbls., c.l., works, frt. equalized	100 lbs.	5.30	- —
l.c.l., same basis	100 lbs.	5.55	- 5.80
Ricinoleate, tech., bbls.	lb.	.12	- —
Sal., bgs., divd. N. Y.	100 lbs.	1.20	- —
works	100 lbs.	1.00	- —
bbls., divd. N. Y.	100 lbs.	1.30	- —
works	lb.	1.10	- 1.30
Salicylate, bxs.	lb.	.52	- —
Sesquicarbonate, bgs., c.l., works	100 lbs.	1.50	- —
bbls., c.l., works	100 lbs.	1.70	- —
bbls., l.c.l., Zone 1	100 lbs.	2.70	- —
2	100 lbs.	2.85	- —
3	100 lbs.	3.10	- —
4	100 lbs.	3.50	- —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.			

Soda, sesquisilicate, dms., c.l., works	100 lbs.	2.90	- —
10 dms. or over, divd. N.Y.C.	100 lbs.	4.00	- —
1-9 dms.	100 lbs.	4.25	- —
Silicate, 40° turbid, dms., c.l., works	100 lbs.	.80	- —
l.c.l., 5 or more, works,	100 lbs.	1.05	- —
1 to 4, works	100 lbs.	1.20	- —
52°, dms., c.l., works	100 lbs.	1.40	- —
l.c.l., 5 or more, works,	100 lbs.	1.65	- —
1 to 4, works	100 lbs.	1.80	- —
Silicofluoride, dom., bbls.	lbs.	.09¾	- .11
Stannate, dms.	lb.	.33½	- .36½
Stearate, lump, powd., bbls., works	lb.	.19	- .24
Sulphate, anhyd., bgs., bbls., c.l., works	100 lbs.	1.45	- 1.65
5 tons or over, works,	100 lbs.	1.70	- 1.90
less than 5 tons, works,	100 lbs.	1.95	- 2.15
cryst. (see Glauber's salt).			
Sulphide, cryst., bbls., c.l., works	100 lbs.	2.25	- —
l.c.l., 5 tons or over, divd.,	100 lbs.	2.75	- —
less than 5 tons, divd.,	100 lbs.	3.00	- —
solid, bbls., c.l., works,	100 lbs.	3.00	- —
l.c.l., 5 tons or over, divd.,	100 lbs.	3.50	- —
less than 5 tons, divd.,	100 lbs.	3.75	- —
Sulphite, cryst., bgs., 100 lbs., works	lb.	2.10	- 2.35
bbls.	100 lbs.	2.30	- 2.55
powd., bbls., c.l.	100 lbs.	5.25	- —
l.c.l., 5 or more	100 lbs.	5.50	- —
1 to 4	100 lbs.	6.00	- —
Sulphocarbolate, bbls., dms.	lb.	.27	- .31
Sulphocyanide, dms., cns.	lb.	.28	- .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works	lb.	.05½	- —
l.c.l., works	lb.	.06	- —
single dm. lots, works	lb.	.08	- —
tanks, works	lb.	.04½	- —
flake, 70-72%, dms., c.l., works,	lb.	.04½	- —
l.c.l., works	lb.	.05	- —
Sulphoricinolate, bbls.	lb.	.12	- —
Thiosulphate (see Hyposulphite).			
Tungstate, CP, kgs.	lb.	No prices	
tech., kgs.	lb.	No prices	
Solvent, naphtha, dms., wks.	gal.	.31	- —
tanks, E. of Omaha, frt. alld.,	gal.	.26	- —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.26	- —
high-flash, dms., works	gal.	.31	- —
tanks, E. of Omaha, frt. alld.	gal.	.26	- —
Sorbitol, com'l, dms., c.l., works,	lb.	.14¾	- —
ton lots, contracts, works,	lb.	.15¼	- —
smaller lots, works	lb.	.15¾	- —
Soybean meal, 41-44%, bgs.	ton.	32.70	- —
protein, bgs., c.l., works	lb.	.11½	- —
l.c.l., works	lb.	.11¾	- .15
Sparteine sulphate, cns.	oz.	4.00	- 4.25
Spearmint leaves, bls.	lb.	.30	- .31
Spikenard root, bls.	lb.	.16	- .17
Spruce extract, reg., bbls., c.l., works	lb.	.01¾	- —
tanks, works	lb.	.01½	- —
powd., super, bgs., c.l., works,	lb.	.04	- —
super, bbls., c.l., works	lb.	.01¾	- —
tanks, works	lb.	.01¾	- —
Squawvine, leaves, bls.	lb.	.14	- .15
Squill, red, powd.	lb.	1.25	- 1.30
White, bls.		No prices	
powd., bbls., bxs.		No prices	
St. Ignatius beans, bgs.	lb.	.45	- .46
St. John's Bread, edible, bls.,	lb.	.15	- .20
inedible, bls.		.09	- .10
Starch, corn, pearl, bgs., f.o.b. Chicago	100 lbs.	3.00	- —
divd., N. Y.	100 lbs.	3.35	- —
powd., bgs., f.o.b. Chicago,	100 lbs.	3.70	- —
divd., N. Y.	100 lbs.	3.45	- —
Potato, dom., bgs., c.l.	lb.	.04¾	- —
l.c.l.	lb.	.05¾	- —
import, bgs.	lb.	No prices	
Rice, bbls.	lb.	.07½	- .08¼
Sweetpotato, bgs.	lb.	.06¼	Nom.
bbls.		.07	Nom.
Wheat, thick, boil. bgs.	lb.	.05	- —
Starch, iodide, bots.	lb.	1.87	- —
Staveacre, seed, bgs.	lb.	.35	- .40
Stearin, oleo	lb.	.08¼	Nom.
Stillingia root, bls.	lb.	.07¾	- .08
Stoneroot, bls.	lb.	.07½	- .08
Storax, cs.	lb.	.75	- .80
Stramonium leaves, bls.	lb.	.48	- .52
Strontium bromide, cns.	lb.	.53	- .55
Carbonate, NF, IV, 250-lb. bbls.	lb.	No prices	
tech., 99-100%, precip., bbls.,	lb.	.25	Nom.
Chloride, tech., bbls.	lb.	.22	- .26
Iodide, bots., 5 lbs.	lb.	3.06	- —
jars, 25 lbs.	lb.	3.00	- —
Nitrate, dom., bbls., c.l., works,	lb.	.07¾	- —
25 bbls. and over	lb.	.08¼	- —
1-24 bbls. and over	lb.	.08¾	- —
Strophanthus seed, Kombe, bgs.	lb.	3.75	- 4.00
Strolyl acetate, bots.	lb.	3.10	- 3.20
Strychnine, cryst., cns., 100-oz. lots	oz.	.60	- —
Acetate, 25-oz. cns., 100-oz. lots	oz.	.79	- —
Arsenate, 25-oz. cns., 100-oz. lots	oz.	.82	- —
Arsenite, 25-oz. cns., 100-oz. lots	oz.	.79	- —
Glycerophosphate, 25-oz. cns., 100-oz. lots	oz.	.80	- —
Hydrochloride, 25-oz. cns., 100-oz. lots	oz.	.79	- —
Hypophosphite, 25-oz. cns., 100-oz. lots	oz.	.91	- —
Nitrate, 25-oz. cns., 100-oz. lots	oz.	.73	- —
Phosphate, 25-oz. cns., 100-oz. lots	oz.	.80	- —
Sulphate, cryst., cns., 100-oz. lots	oz.	.50	- —
powd., cns., 100-oz. lots	oz.	.40	- —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works	lb.	.55	- —
denat., bbls., l.c.l., works	lb.	.45	- —
tech., bbls., l.c.l., works	lb.	.40	- —
Sugar coloring, bbls.	gal.	.75	- 1.45
Milk, bbls., c.l.	lb.	.16	- —
l.c.l., 10 or over	lb.	.17	- —
less than 10	lb.	.18	- —
Sulfanilamide, 5 lbs., bots.	lb.	1.70	- —
fib. dms., 1,000 lbs., 1 delivery,	lb.	1.25	- —
100 lbs.	lb.	1.30	- —
25-lb. lots	lb.	1.45	- —
Sulfapyridine, powd., for hospitals, 5-grain bots., bot.		1.25	- —
Sulphonethylmethane, kgs.	lb.	6.75	- 6.80
Sulphonmethane, kgs.	lb.	5.25	- —

Sulphur, crude, bulk, f.o.b. cars, mines, contracts	long ton.	16.00	- —
f.o.b. steamers, Gulf ports, contract	long ton.	17.50	- —
Flowers, USP, bgs., c.l., mine,	100 lbs.	2.80	- —
l.c.l., mine	100 lbs.	3.03	- —
bbls., c.l., mine	100 lbs.	3.15	- —
l.c.l., mine	100 lbs.	3.70	- —
Flour, comm'l, bgs., c.l., mine,	100 lbs.	1.40	- —
l.c.l., mine	100 lbs.	1.95	- —
Refined, cast, bgs., c.l., mine,	100 lbs.	1.95	- —
l.c.l., mine	100 lbs.	2.50	- —
heavy, USP, bgs., c.l., mine,	100 lbs.	2.35	- —
l.c.l., mine	100 lbs.	2.90	- —
bbls., c.l., mine	100 lbs.	2.70	- —
l.c.l., mine	100 lbs.	3.25	- —
light, USP, bgs., c.l., mine,	100 lbs.	2.45	- —
l.c.l., mine	100 lbs.	3.00	- —
bbls., c.l., mine	100 lbs.	2.80	- —
l.c.l., mine	100 lbs.	3.35	- —
lump, bgs., c.l., mine	100 lbs.	1.95	- —
l.c.l., mine	100 lbs.	2.50	- —
bbls., c.l., mine	100 lbs.	2.10	- —
l.c.l., mine	100 lbs.	2.65	- —
roll, bgs., c.l., mine	100 lbs.	2.15	- —
l.c.l., mine	100 lbs.	2.70	- —
bbls., c.l., mine	100 lbs.	2.30	- —
l.c.l., mine	100 lbs.	2.85	- —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. allds.	100 lbs.	2.00	- —
refined, 100%, bgs., c.l., frt. allds.	100 lbs.	2.85	- —
Chloride, 55-gal. dms., c.l.	lb.	.03	- —
l.c.l., dms., works	lb.	.04	- —
10-gal. dms., c.l.	lb.	.07	- —
l.c.l.	lb.	.08	- —
Dioxide, liquid, com'l, cyls., works	lb.	.07	- .09
multi-unit, cars, works	lb.	.04½	- .07
tanks, works	lb.	.04	- .06
Sulphur dioxide, refrigeration, cyls., works	lb.	.16	- .40
multi-unit cars, works	lb.	.07½	- .10
Iodide, bots., jars	lb.	3.90	- 4.05
Precipitated, USP, bbls.	lb.	.17	- .22
Sumac, grd., Sicilian, f.a.s.	ton.	No prices	
leaf, f.a.s.	ton.	No prices	
Extract, 42°, bbls.	lb.	.06	- .06¼
51°, bbls.	lb.	.07	- .07¼
stainless, bbls.	lb.	.09	- .11
Berries, bgs.	lb.	.10	- .12
Sunflower seed, Calif., large, bgs.,	lb.	.06½	- .07
medium, bgs.	lb.	.06	- .06½
poultry, Argentine	lb.	.05	- .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.,	ton.	8.50	- —
run-of-pile, basis 16%, bulk, same basis	ton.	8.00	- —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto.	unit-ton.	.68	- —

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Talc, dom., Calif., 1, bgs., c.l., mills.	ton.	20.00	- —
2, bgs., c.l., mills.	ton.	17.00	- —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills.	ton.	14.00	-16.00
l.c.l., mills.	ton.	16.00	-18.00
96-98%, 325 mesh, c.l., mills,	ton.	15.00	-17.00
l.c.l., mills.	ton.	17.00	-19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills.	ton.	15.25	-17.25
l.c.l., mills.	ton.	17.25	-19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills.	ton.	17.00	-19.00
coarse, off color, bgs., c.l., mills.	ton.	11.00	-13.00
Aluminum, flake, type grd., bgs., c.l., mills.	ton.	21.00	- —
l.c.l., mills.	ton.	24.50	- —
Vermont, bgs., c.l., mills.	ton.	14.00	- —
l.c.l., ex whse.	ton.	25.00	- —
imp., Canad., bgs., c.l., mills,	ton.	No prices	
French, high-grade, bgs., l.c.l., ex whse.	ton.	No prices	
ordinary, bgs., c.l., ex dock, arrival.	ton.	No prices	
l.c.l., ex whse.	ton.	No prices	
Italian, 1, bgs., ex dock, arrival.	ton.	No prices	
ex whse.	ton.	No prices	
2, bgs., ex dock, arrival.	ton.	No prices	
Tallow, extra, loose	lb.	.07	- —
special, loose	lb.	.06¾	- —
sulphonated, 35% (24% fat), dms., c.l.	lb.	.04	- —
l.c.l.	lb.	.05	- —
50% (43% fat), dms., c.l.	lb.	.05½	- —
l.c.l.	lb.	.06½	- —
50% (48% fat), dms., c.l.	lb.	.06	- —
l.c.l.	lb.	.07	- —
Tamarind, No. 1, bbls.	lb.	.06	- .07
kegs	keg.	6.00	- 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y.	unit-ton.	2.75 &	.10
10-11% ammon., 15% b.p.l., bulk, basis Chi.	unit-ton.	2.75 &	.10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y.	unit-ton.	3.00 &	.10
high-grade, bulk, Chicago,	unit-ton.	3.50 &	.10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments,	unit-ton.	2.75 &	.10
Tansy leaves, bls.	lb.	.22	- .23
Tapioca flour, bgs.	lb.	.03¾	- .05½
Tar acid oil, 15%, dms., c.l., works	gal.	.22	- —
l.c.l., same basis	gal.	.24	- —
25%, dms., c.l., works	gal.	.25	- —
l.c.l., same basis	gal.	.27	- —
Tar, pine, retort, dms., c.l., divd. E. cities	gal.	.27	- —
ports	gal.	.26	- —
l.c.l.	gal.	.27	- —
tanks, divd. E. cities	gal.	.21	- —
Tarragon herb, bgs.	lb.	1.15	Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more,	lb.	.44¾	- —
less than 5	lb.	.45	- —
USP, powd, bbls.	lb.	.50	- —
Terebene, cns.	lb.	.75	- .85
Terpinyl acetate, cns.	lb.	.80	- .85
Terpin hydrate, bgs.	lb.	.60	- .65
Terpineol, CP, cns.	lb.	.26	- —
dms.	lb.	.23	- —
alpha, denat. grade, dms., c.l., wks., net wgt.	lb.	.17	- —
Terra alba (see Gypsum).			
Tetrachlorethane, dms., wks.	lb.	.08	- .08½
Tetrachlorethylene, CP, dms.	lb.	.21½	- —
tech. (see Perchlorethylene).			
Tetralin, dms.	lb.	.19	- —
Tetrasodium pyrophosphate (see soda pyrophosphate).			
Thallium sulphate, 99% pure, bots., works.	lb.	5.00	- 7.00

Soda Fluoride—Trimethylam.

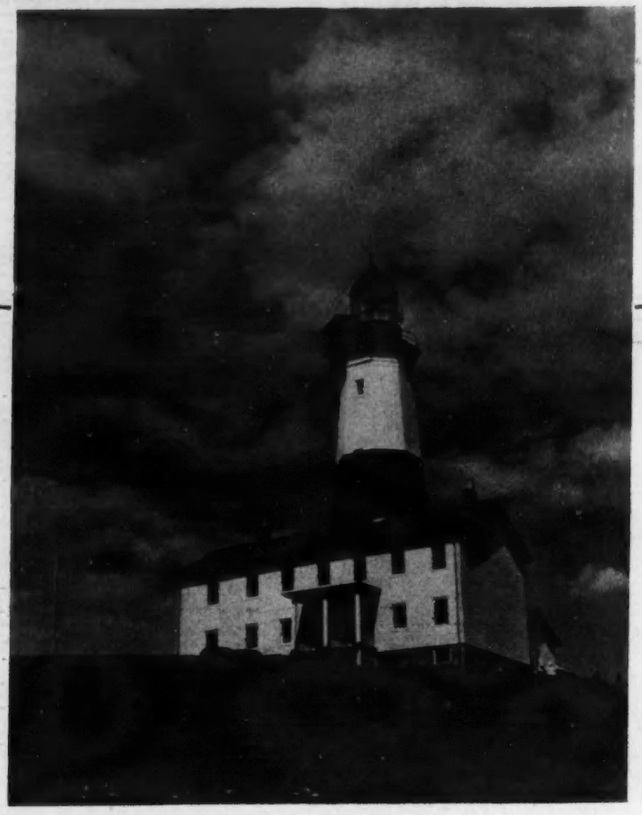
Theobromine, dms.	lb.	2.90	- 3.00
Sodiosalicylate, cns.	lb.	2.15	Nom.
dms.	lb.	1.95	Nom.
5-lb. bots.	lb.	2.31	- 2.36
Thiamine hydrochloride cns.	gram.	.65	- .77
Thiocarbanilide, dms.	lb.	.24	- —
Thorium, nitrate, cs., works	lb.	2.00	- —
Thyme, French, bls.	lb.	.62	- .64
Spanish, bls.	lb.	.15¼	- .15¾
Thymol, dms., 100 lbs.	lb.	1.40	- —
cns., 25 lbs.	lb.	1.45	- 1.50
Iodide, kgs., 50 lbs.	lb.	3.40	- —
25 lbs.	lb.	3.50	- —
Timbo root (see Cube root).			
Tin, chloride (ous), anhyd.	lb.	.48	- .48½
Crystals, bbls., bgs.	lb.	.39	- .39½
Metal, Straits	lb.	.51¾	- —
Oxide, bbls.	lb.	No prices	
Tetrachloride, anhyd., bbls.	lb.	.27	- .27½
Titanium, dioxide, bgs., c.l., (20 tons)	lb.	.13½	- —
l.c.l., 5 tons, single delivery.	lb.	.13¾	- —
1,000-9,999 lbs.	lb.	.14	- —
50-999 lbs.	lb.	.14¼	- —
under 50 lbs.	lb.	.16½	- —
bbls., c.l. (20 tons)	lb.	.13¾	- —
l.c.l., 5 tons, single delivery.	lb.	.14	- —
1,000-9,999 lbs.	lb.	.14¼	- —
50-999 lbs.	lb.	.14½	- —
non-chalking, bgs., c.l. (20 tons).	lb.	.15½	- —
l.c.l., 5 tons, single delivery.	lb.	.15¾	- —
1,000-9,999 lbs.	lb.	.16	- —
50-999 lbs.	lb.	.16¼	- —
under 50 lbs.	lb.	.18½	- —
bbls., c.l. (20 tons)	lb.	.15¾	- —
l.c.l., 5 tons, single delivery.	lb.	.16	- —
1,000-9,999 lbs.	lb.	.16¼	- —
50-999 lbs.	lb.	.16½	- —
chalk-resistant, bgs., c.l. (20 tons)		.14	- —
l.c.l., 5 tons, single delivery.	lb.	.14¼	- —
1,000-9,999 lbs.	lb.	.14¾	- —
50-999 lbs.	lb.	.14¾	- —
under 50 lbs.	lb.	.17	- —
bbls., c. l. (20 tons)	lb.	.14¼	- —
l.c.l., 5 tons, single delivery.	lb.	.14½	- —
1,000-9,999 lbs.	lb.	.14¾	- —
50-999 lbs.	lb.	.15	- —
barium or magnesium base, bgs., c.l. (20 tons)	lb.	.05¼	- —
l.c.l.	lb.	.05¾	- —
under 50 lbs.	lb.	.06¼	- —
bbls., c.l. (20 tons)	lb.	.05¾	- —
l.c.l.	lb.	.06	- —
calcium base, bgs., c.l. (20 tons).	lb.	.05¼	- —
l.c.l.	lb.	.05½	- —
under 50 lbs.	lb.	.06¼	- —
bbls., c.l. (20 tons)	lb.	.05½	- —
l.c.l.	lb.	.05¾	- —
calcium-rutile base, bgs., c.l. (20 tons)	lb.	.05¼	- —
l.c.l.	lb.	.05½	- —
under 50 pounds	lb.	.06¼	- —
bbls., c.l. (20 tons)	lb.	.05½	- —
l.c.l.	lb.	.05¾	- —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs.	lb.	.96	- —
Tolu, balsam, cns.	lb.	.85	- .88
Toluidin, mixed, dms.	lb.	.26	- —
Toluol (toluene), 2° indus., dms., returnable	gal.	.32	- —
tanks, E. of Omaha, frt. alld.,	gal.	.27	- —
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.27	- —
1° nitration, dms., returnable,	gal.	.33½	- —
tanks, E. of Omaha, frt. alld.,	gal.	.28½	- —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.28½	- —
Tonga vine, F, bls.	lb.	.65	- .70
root, bls.	lb.	.65	- .70
Tonka beans, Angostura, cks.	lb.	2.40	- 2.50
Brazilian, Surinam, cs.	lb.	.70	- .85
Triacetin, dms.	lb.	.26	- —
Triamyl borate, dms., l.c.l., works,	lb.	.27	- —
Triamylamine, l.c.l., works	lb.	.90	- —
Tributylamine, l.c.l., dms., works,	lb.	.70	- —
Tributyl citrate, ton lots, 475-lb. dms.	lb.	.24	- —
smaller lots	lb.	.26	- —
Phosphate, dms., l.c.l., divd.	lb.	.42	- —
cns., works	lb.	.46	- .48
Trichlorobenzene, dms., c.l., frt. alld.	lb.	.07	- —
l.c.l., same basis	lb.	.07½	- —
tanks	lb.	.06½	- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1.	lb.	.08	- —
l.c.l., same basis	lb.	.08½	- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½	- —
l.c.l., same basis	lb.	.09	- —
Zone 3, c.l., works, frt. alld.,	lb.	.09	- —
l.c.l., same basis	lb.	.09½	- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09	- —
l.c.l., same basis	lb.	.09½	- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Is., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd.	lb.	.40½	- .51½
dms., c.l., divd.	lb.	.34½	- —
tech., dms.	lb.	.22	- —
500 lbs., dms.	lb.	.22½	- —
less than 500 lbs.	lb.	.25½	- .36½
Triethanolamine, dms., c.l., works,	lb.	.19	- —
l.c.l., works	lb.	.20	- —
tanks, works	lb.	.18	- —
Triethylamine, dms., l.c.l., works,	lb.	1.05	- —
Triethyl citrate, ton lots, 500-lb. dms.	lb.	.24	- —
smaller lots	lb.	.26	- —
Triethyl phosphate, dms., divd.,	lb.	.45	- —
Triethyleneglycol, dms., l.c.l., works.	lb.	.26	- —
Trimethyl phosphate, cns.	lb.	.54	- .56
dms., divd.	lb.	.50	- —
Trimethylamine, dms., c.l., divd.,	lb.	.85	- —
l.c.l., divd.	lb.	.90	- —



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NAPHTHALENE—We can supply any quantity—in FLAKES AND BALLS, refined, prime white. Freshly packed—bbls. and 50 lb. cartons, also 12 and 16 ounce packages. Also CHIPPED, CRUSHED, POWDERED and RICE CRYSTALS in bbls.

PARA-DICHLOROBENZENE
Crystallizing point of 52.8°

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Makes GOOD Paint go FARTHER and do a Better Job
This product is prime white, dry ground, water ground and floated. Uniform. Any mesh. 99½% pure. An excellent extender for lead and zinc paints.

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Triphenyl Phos.—Yellow, Mer.

Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08½ Nom.
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .49¼- —
l.c.l., 10 ex dock.....gal. .51¼- —
5 ex dock.....gal. .53¼- —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l. .....gal. .36 - —
tanks, dlvd. E. cities....gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .40 - —
l.c.l., dlvd.....gal. .43 - —
tanks, dlvd.....gal. .35 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.53 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
l.c.l., 5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del....ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.38 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.127.00 - —
Uva ursi leaves, bls.....lb. .12 - .13

V

Valerian root, bls.....lb. .75 - 1.00
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. No stocks
Mexican, tins.....lb. 10.00 -11.00
cuts, tins.....lb. 9.00 - 9.50
South American, tins.....lb. No stocks
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb. No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.39.25 -41.25
Extract, solid, bgs.....lb .04¼- .04¼
liquid, tanks.....lb. .05 - —
bbls.....lb. .05½- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
yellow, crude, Africa, 10-bg. lots..lb. .29 - .30
1 bg.....lb. .29½- .30½
Brazil, bgs., 5-ton lots..lb. .30 - .31
1 ton.....lb. .30½- .31½
500 lbs.....lb. .31 - .32
100 lbs.....lb. .31½- .32½
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .21½- .22
jobbing lots.....lb. .22 - .22½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .56 - .57
5 bgs.....lb. .56½- .57½
1 bg.....lb. .57 - .58
N. C., 2, bgs., 1 ton.....lb. .64 - .65
N. C., 3, bgs., 1 ton.....lb. .60 - .61
5 bgs.....lb. .60½- .61½
1 bg.....lb. .61 - .62
refined, bgs.....lb. .65 - .66
yellow, No. 1, bgs, ton....lb. .68 - .69
5 bgs.....lb. .68½- .69½
1 bg.....lb. .69 - .70
No. 2, bgs.....lb. .67 - .68
Ceresin, dom., 158°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton.lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15¾
Japan, cs.....lb. .16½- .17
Montan, bgs., c.l.....lb No prices
3 tons.....lb No prices
less than 1 ton.....lb. No prices
Ouricury, crude, bgs.....lb. .38 - .39
double refined, bgs.....lb. .44 - .44½
single refined, bgs.....lb. .42 - .42½
Wax, ozokerite, hard, green congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .23 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250-mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. 1.00 - 1.10

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .53 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).

Yellow, ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works....lb. .02½- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import..lb. .02475 Nom
New York (f.o.b.)..lb. .02¾ Nom
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco...lb. .03¼ Nom.
f.o.b. N.Y., from dock. lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y...lb. .04¼ —
l.c.l., same basis.....lb. .04¾ —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specifications type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthorisa), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vls..oz. 3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 90 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09½- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Meta (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
bbls., c.l., dlvd., except Pac. Cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst., lb. .06½- —
bbls., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —

Zinc, oxide, pigment, French process, red seal, bgs., c.l., dlvd..lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼ —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd., lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
bbls., c.l., dlvd., except Pac. cst..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices
white seal, cks., ex whse..lb. No prices
USP, bbls., c.l.....lb. .09¾- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs...lb. .25 - —
USP, bbls.....lb. .25 - .27

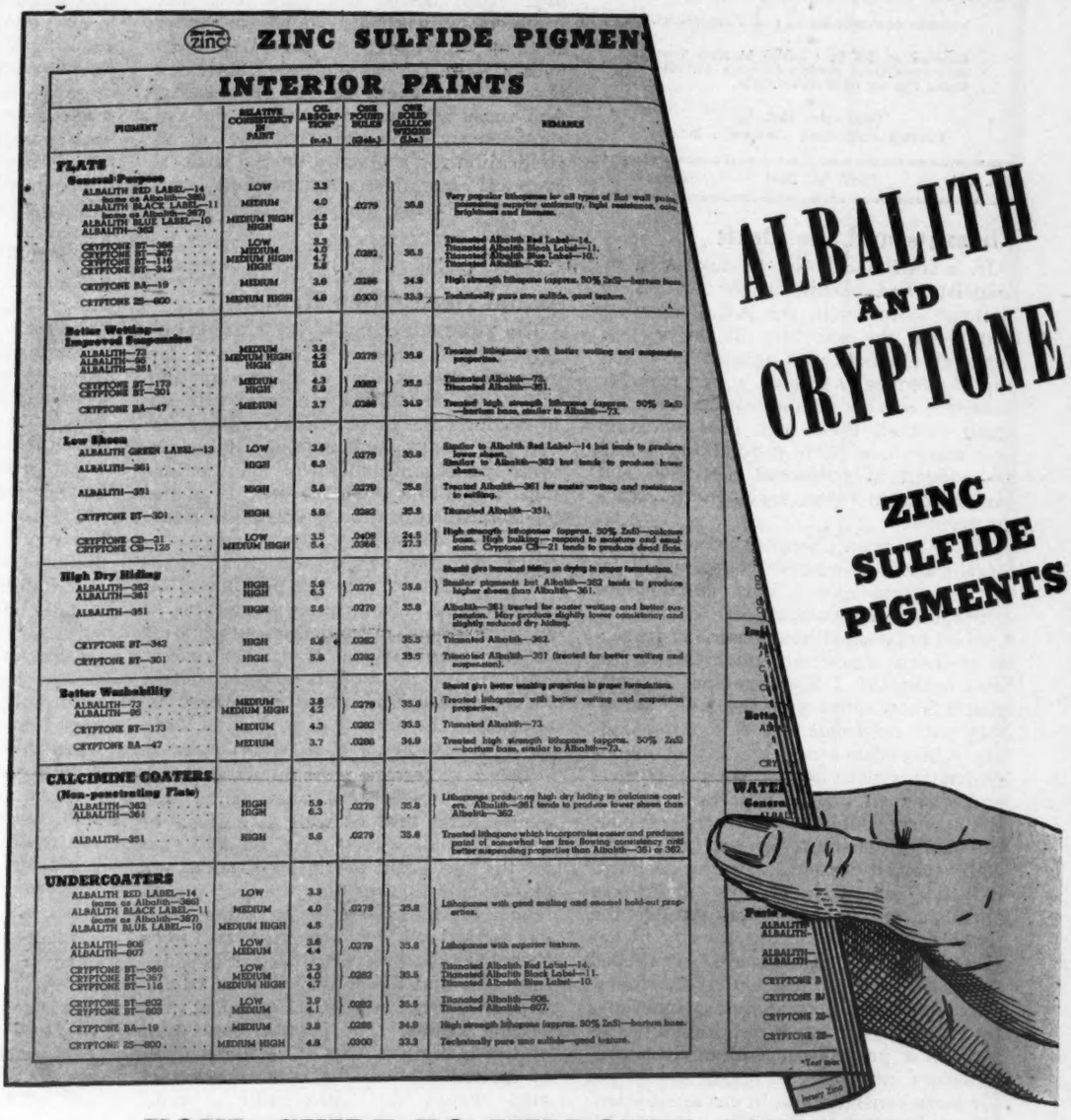
Zinc, sulphate, cryst., bgs., c.l., 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.75 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
calcium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbonate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., woks..100 lbs. 5.15 - —
l.c.l., works.....100 lbs 6.35 - —

Yellow, Ocher—Zirconium

Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works..lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Apr. 7 issue; the next printing will be in the May 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 41.



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Vol. 139 April 14, 1941 Number 15

Chemists and the Draft

In a session devoted to discussion of chemists and chemistry in relation to national defense, in the A.C.S. meeting last week, the secretary of the society made an eloquent plea against the drafting of chemically trained young men for selective service to the nation. He argued that all these men now available and many more were needed and would be needed in industrial activities and would therein better serve the purposes of defense.

The American Chemical Society, as an organization, has never concerned itself to any great extent with employment conditions in respect of chemically trained persons, although some of its sections have supported undertakings in that connection. Some persons in position to know differ with the A.C.S. secretary with reference to the available supply of chemists—they know that unemployment exists among such persons—and letters in the daily press contradict the now somewhat popular articles about the lack of chemists, among other specially trained persons. Leading chemical industrialists declare that too many chemists are being turned out by the schools: they lament the scarcity of engineers. In both instances of alleged shortages more or less actual the factor of nonemployability enters; sometimes by reason of ill-fittedness; sometimes as a result of prejudices. Both of these contributory influences, or faults, should get far more consideration in circles of scientific and technical education—along with a number of other shortcomings.

But, even though there were a substantial shortage of chemically trained employees, that would be no valid or logical reason for the granting of exemption, or even deferment from selective service to chemists as a class. Such class preference or favoritism for chemists, pharmacists, doctors, or any other group is to be cried down as not American.

It is generally true that a specially trained man can serve the nation better in a factory than in the field. But, that is no reason why he should be favored in drafting—or in pay.

Priorities and Necessities

It is easy to understand why the development of a governmental system of priorities in defense materials is so far from being a matter of simple formulation that, even to the small extent to which it has thus far been set up, the system is full of "bumps" and "bugs." The basic reason is that industry is not easily got on a wartime key, and that the established agencies of national defense operate their everyday industries (the army and navy constantly do a deal of varied manufacturing) on a basis far different from that used by private enterprise.

Although the national agencies of defense have for several decades been engaged to a substantial extent in chemical manufacturing, they have relied on the private chemical industry for many of their basic needs, and they have not troubled—why should they?—to know all that is involved in providing them with a more or less multiply fabricated material for their further processing. And those who have the task or duty of convincingly explaining the whys of an application for a priority on the basis of chemical manufacturing necessity are faced with a big job.

—O-P-D—

Actual Need Often Remote

The puzzle of chemical priorities is understandable when it is considered, for example, that an alloy of magnesium and nickel, which may be a necessary metal in various mechanical fabricatings for defense, is also an essential catalyst in synthetic organic chemical manufacturing. Up to that stage the priority of the mechanical utilization is relatively clear. But, the chemical whose making requires the alloy as a catalyst is an intermediate necessary for the production of, let us say, a vulcanization accelerator or an antioxidant of important usefulness in the manufacture of rubber goods. Still, to most minds, it is more important that the magnesium and the nickel be allotted to the making of engines or some other well-known part of tanks or planes.

This is so because most minds, although they can understand that tanks and planes need tires as well as engines or some kind of shafts, must be told that for the successful operation of tanks and planes rubber tires are of equal importance to metallic parts. When that mechanical fact has been impressed upon them there still remains the task of showing them that the making of good rubber tires requires particular chemical processing agents. The popular conception of tire-making is that it is the pouring of melted rubber—the more vocabulariated would say latex—into a mold; taking out the shaped result; and painting it black!

On top of that task is the final one of hooking up a metal, admittedly excellent and essential for the making of certain important parts of tanks and planes, with the making of equally important parts which are rubber, not metallic, by way of abstruse chemical processes covering perhaps half a dozen stages. It can be seen that the chemical manufacturer is in a fair way to being constricted by inevitable mental processes into a very troublesome bottleneck in the production of tanks and planes. And this is only one of scores—yes, hundreds—of examples of the far-reaching ramifications of all sorts of activities in the defense program. It will take a long time for government and industry to become adequately acquainted. It might take too long.

—O-P-D—

Hazards of Defense

Much argument is made in various quarters on all sides of the question of whether governmental contracts in the defense program are being equitably allotted. There is a deal of talk to the effect that smaller concerns are not getting what they should in this line of work; but this talk does not emphasize, if it even mentions, what, if any, difference there would be in the cost of materials if another method of contracting were used. Nor does the arguing for a different sort of contracting, for more subcontracting or sharecropping, appear to give due consideration to the fact that adapting a plant or an operating system to a new sort of production is not simple, or is always favored by would-be contractors—it may be noted as an example that some such are already kicking because they consider army packing and cloth specifications too rigid, without thinking anything about what is required of packages and clothing under field conditions.

There is a chemical side also to this difficult task of adaptation when it involves the placing of relatively simple processes in the hands of men who know little, if anything, about the materials with which they are required to work. Results in such instances can be and not infrequently are comparable with those which often follow schoolboy dabbling in chemical experimentation.

Those who work with potentially hazardous industrial solvents and other materials never give a thought to the inflammability or the toxicity of the substances with which they work: the necessary safeguarding has become second nature with them in the aspects which cannot be precluded by proper equipment. In plants which are newly engaged in the same operations, there is often at least an inadequacy of protective equipment and there is no sixth sense of safety among the workers. These things spell trouble. To avoid it, governmental contracting officers do more than a little precautionary looking about, and what they see, or fail to find, sometimes decides the acceptance of a bid.

Inadequacy of equipment and ignorance of hazards are not always so apparent as to prevent the placing of delicate, precise, or dangerous work in hands ill fitted for its successful performance. Accidents sometimes result, and these always attest the wisdom and the necessity of being forewarned. This is one reason why the Bureau of Mines information circular 7030R should be a "best seller" among those who newly face the hazards of certain industrial materials. This circular lists the respiratory protective devices approved by the bureau. The same readers should find it useful to study up on air hygiene from other angles. And they certainly should seek a goodly allotment of information on the fire hazards of industrial chemicals. In fact, compilations of information on all hazards of chemicals should be required reading in all plants where such materials are handled, especially where such handling is still in a more or less "rooky" stage.

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Heavy Chemicals

Shipments Steady with Volume of Business Tending Upward —Some Items More Difficult to Obtain in Outside Market —Calcium Chloride Shipments Well Ahead of a Year Ago

Shipments moved at a steady pace in the market for heavy chemicals last week. Volume of orders gave no indications of declining, and the tight position of many items, and pressure for delivery continued unabated. Labor situation, while showing improvement, was still a factor in creating uncertainty. Further action was looked for by the government in the matter of priorities, export control and price stabilization. So far price ceilings have been made in such strategic metals as aluminum and zinc products; copper, nickel and tungsten prices were expected to be stabilized by the Defense Commission. No radical price changes appeared in the offerings for basic chemicals; however, a general stiffening was evident.

Ammonia and soda silico fluoride, nickel salts, red phosphorus, potash permanganate and oxalic acid were items most commonly sought after in the resale or outside markets. Offerings were limited, and it was becoming increasingly difficult to obtain any material for nearby shipment. Producers were preserving their output for regular contract consumers' normal requirements.

Shipments of calcium chloride were well ahead of a year ago. March was the highest of any similar month. A large amount found its way into national defense work for treating roads and concrete. Bids were already making their appearance from states and municipalities for road conditioning which was expected to be heavier than usual because of the defense program.

Exports, especially to Scandinavian countries, dropped off since the war. A good part of this has been made up in South America where imports of German and Japanese material has declined.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.2	150.8

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—Shipments continued steady against contracts. Prices unchanged and firm.

Alumina Hydrate.—A moderate demand prevailed. Prices rule firm.

Alumina Sulphate.—Domestic and export business well sustained. Price-wise a firm tone predominated.

Ammonia, Anhydrous.—Market position tight, shipments confined to regular channels. Seasonal upswing near at hand.

Ammonia, Aqua.—Prices firm, and movement steady.

Ammonia Bicarbonate.—Dealings of a routine character. No change disclosed in the prices.

Ammonia Biflouride. — Market in firm position, and inquiries moderately active.

Ammonia Nitrate.—A good inquiry was evident, and prices held firm.

Ammonia Persulphate.—A steady to firm price tone characterized trading, and withdrawals were moderate.

Ammonia Phosphate. — Technical grades firm, and buying routine.

Ammonia Oxalate.—Prices without change; offerings confined to usual channels.

Ammonia Silicofluoride. — Offerings limited, some spot sold at 14c. to 15c. per pound.

Ammonia Sulphocyanide. — Prices firm, and market in tight position.

Ammonia Sulphide. — Shipments steady. Prices lacked any alteration.

Ammoniac, Sal. — Good demand. Market retained its firm position.

Antimony Metal. — Domestic spot price unchanged, and interest routine.

Antimony Oxide.—No new price movements, and takings confined to usual channels.

Arsenic.—Prices unchanged and firm. White moved steadily; offering of Red negligible.

Barium Carbonate.—Steady to firm price tone. Withdrawals fairly steady.

Barium Chloride.—Moderate demand against contracts. Prices rule unchanged.

Barium Hydrate.—Business irregular. Prices underwent no change.

Barium Nitrate.—Inquiries and shipments held at satisfactory levels. Prices firm.

Barium Oxide.—The call was moderate, and prices failed to change.

Bleaching Powder. — A moderate amount of replacement buying made its appearance. Prices remain the same.

Calcium Acetate.—Steady interest, and market in firm position.

Calcium Carbide.—Domestic and export inquiries moderate, and prices without change.

Calcium Chloride.—Some evidence of seasonal upturn for road work. Prices lack any alteration.

Carbon Dioxide.—Shipments steady. Prices retained their firmness.

Carbon Tetrachloride. — A good movement prevailed against contracts. Prices firm.

Chlorine.—Withdrawals held at high levels to keep market in strong position.

Chloropicrin.—A good inquiry prevailed, and market was firm.

Cobalt Oxide.—Sellers continue to restrict offerings. Prices firm.

Copper. — Sellers continue to allocate business. Outcome of price ceiling conference awaited to fix price at 12c. per pound. Export prices ranged from 11c. to 12c. f.a.s.

Copper Salts.—A firm price tone predominated, and most sellers limited offerings.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Electrochemical Soc., April 16-19, Cleveland.
Purchasing Agents Ass'n, May 26-29, Chicago.
Manufacturing Chemists Ass'n, June 5-8, Skytop, Pa.
Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Copper Sulphate.—Inquiries heavy, and shipments steady to commercial, agricultural and export channels. Prices firm.

Fluorspar.—A firmer price tone was discernible, and demand good.

Glauber's Salt. — Market position firm, and movement steady against contracts.

Lead Acetate.—Transactions remain routine, and no change occurred in the prices.

Lime.—A good volume of business passed, and prices were steady to firm.

Magnesite.—Market position tight, and selling usually restricted.

Manganese Dioxide.—Bulk of business represented routine contract withdrawals. Prices firm.

Molybdenum Metal Powder.—Steady inquiry. Prices display firmness.

Nickel Salts. — Supplies continue short, and shipments lag. Prices firm. Scattered outside offerings from 18c. to 20c. per pound.

Phosphorus.—Business in red continued restricted. Moderate demand for yellow. Prices firm.

Potash Carbonate. — Orders brisk; strike on West Coast still restricting supplies of raw material. Prices firm.

Potash, Caustic. — Demand remain steady, and prices held firm.

Potash Chlorate. — Good interest from regular channels. Outside inquiries subside.

Potash Cyanide.—Routine buying. Prices without change.

Potash Permanganate.—Sellers restricting business to regular consuming trade. Bids in outside market range as high as 40c. per pound.

Salt.—Business continued in good volume. Prices well stabilized.

Saltcake.—Domestic production well absorbed, and prices nominal.

Saltpeter.—A fairly steady inquiry was prevalent. Pricewise a firm tone predominated.

Soda Acetate.—Prices firm. Inquiries and shipments well sustained.

Soda Ash.—Movement to industrial channels good. Satisfactory export inquiry. Prices unchanged.

Soda Bicarbonate. — Withdrawals steady. Quotations without change.

Soda Bifluoride. — Buying moderately active. Prices failed to change.

Soda Bisulphide. — Steady inquiry. Nothing new occurred in the prices.

Soda, Caustic.—A fairly broad buying movement prevailed. Exports satisfactory. Prices without alteration.

Soda Chlorate. — Dealings routine. Prices failed to change.

Soda Cyanide.—Demand continued active. Prices firm.

Soda Hydrosulphite.—Market position firm. Interest moderate.

Soda Nitrite.—Purchases steady. No change disclosed in the prices.

Soda Phosphate. — Market firm. Shipments moderately active.

Soda Silicate.—Buying broad, and market remains firm.

Soda Silicofluoride.—Supplies limited; booking made far in advance. Prices nominal.

Soda Stannate. — Demand steady. Prices underwent no change.

Soda Sulphide.—Market in firm position. Inquiries and shipments good.

Sulphur, Refined. — A satisfactory amount of replacement business gave the market a firm tone.

Tin Salts.—Prices for various tin derivatives held at previous levels. Straits metal was quoted at 51⅝c. per pound. Shipments of Bolivian tin ore expected soon for new American refinery in Texas.

Zinc Chloride.—Transactions routine against contracts. Prices rule firm.

Zinc Sulphate. — Quotations unchanged and tone firm. Shipments steady.

Acids

Bookings continued in good volume in the market for most mineral acids last week. A further strengthening was evident for acetic acid. The plating trade was absorbing good quantities of chromic. A steady interest was manifest in formic, both for domestic and export account. Inquiries for muriatic and nitric continued good. Prices for oxalic in the outside market were higher. Shipments of sulphuric held steady. No price adjustments occurred, however; the undertone was firm.

Acetic. — Market gave further evidence of tightening. Shipments good.

Battery.—Withdrawals routine. No change in the quotations.

Chromic.—Movement good. Pricewise a firm tone prevailed.

Formic. — Bookings well sustained. Prices unchanged and firm.

Gallic. — Not much feature to the trading. Prices lack any change.

Hydrofluoric. — Takings were moderately active and prices steady to firm.

Lactic.—Inquiries steady. Prices underwent no change.

Muriatic.—Market remained firm. Shipments moved steadily.

Naphthenic.—Prices nominal. Usual consumers made replacements in good volume.

Nitric. — Inquiries and shipments active. Prices rule firm.

Oxalic. — Market continued tight. Outside offerings at 20c. per pound.

Phosphoric.—Demand good. Prices held at previous levels.

Sulphuric.—There was no let-down in the demand and shipments moved in good volume to basic consuming industries. Prices firm.

Baltimore, April 9, 1941.—The market for sulphuric acid retains its unchanged character. It can hardly be maintained that consumption of acid has not increased, so that the ordinary law of supply and demand ought to assert itself. The fact that it has not, tends to show that some arrangement has been adopted to arrest the natural process. The nominal quotations on acid stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. The situation is also unchanged with respect to oleum, although the time has come for the requirements to rise because of the state of the weather, which favors greater agricultural activity, with quotations still at $17 per ton for 20 percent material.

Insecticides

The bulk of the business was confined to dealer channels last week. Most of the preliminary work has been finished in preparation for the active consuming period, which is expected to get underway in about another month. A normal seasonal tapering off in export demand was evident. Nothing new occurred in the prices, and a steady to firm tone prevailed.

Insured wheat growers were warned by the Federal Crop Insurance Corporation to use every available means to protect their crops from insect outbreaks, especially grasshoppers, following Congressional authorization to the Bureau of Entomology and Plant Quarantine of $2,225,000 for control of destructive pests. Surveys indicate a severe infestation of grasshoppers this year in the eastern half of North and South Dakota, several counties in western Kansas, and smaller areas in Montana and Nebraska.

Bordeaux Mixture.—Moderate inquiry. Prices without change.

Calcium Arsenate.—Routine interest. Quotations steady to firm.

Lead Arsenate.—Market firm. Shipments lacked broadening.

Soda Arsenite.—Consumer interest light. Prices rule firm.

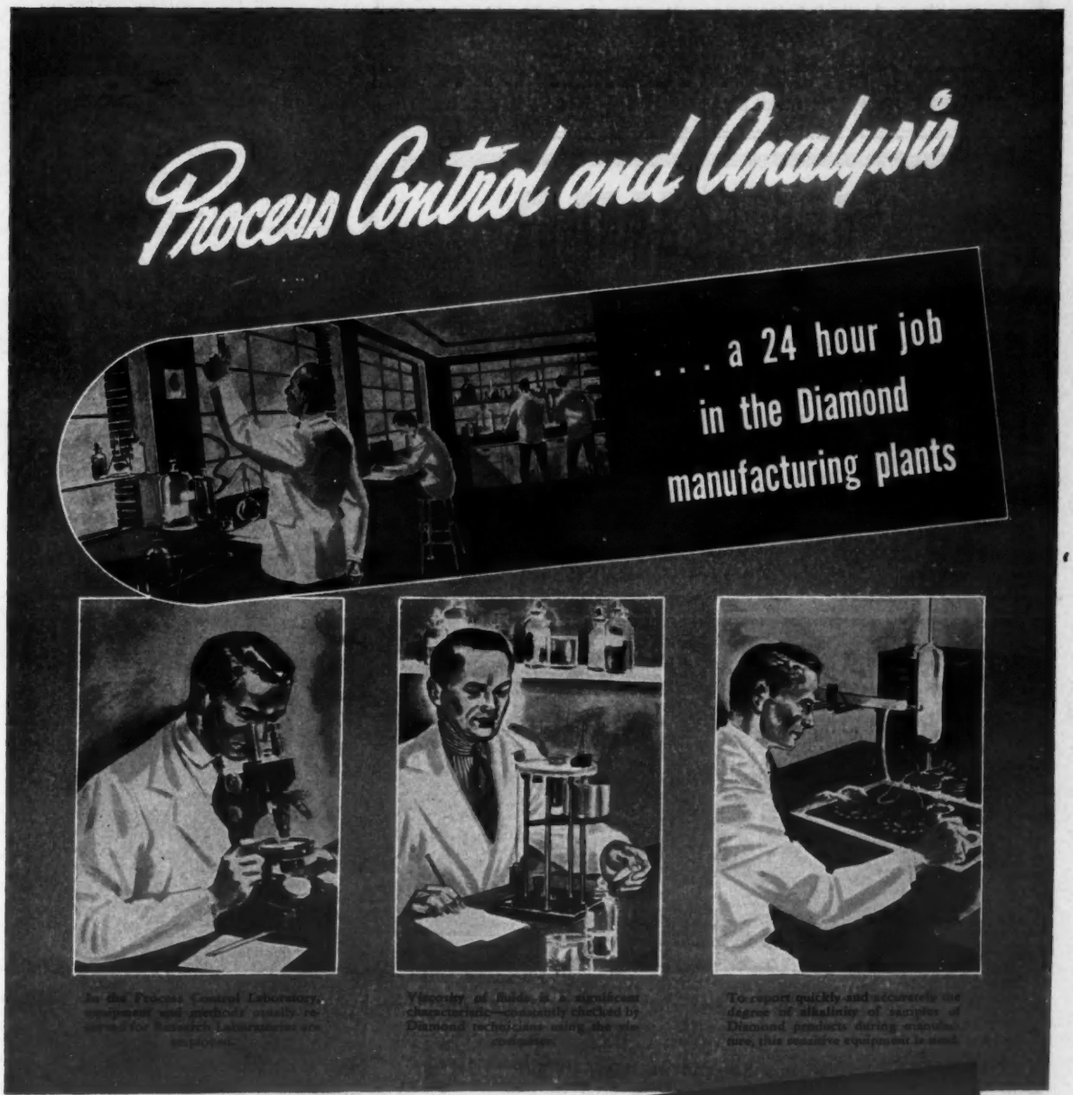
Zinc Arsenite.—Prices firm. There was little feature to the trading.

Tin Conservation In U.S. Planned

—Contnued from page 5

Mr. McConnell has also requested the National Association of Waste Material Dealers, Inc., to form small defense committees for each branch of the industry which it represents to confer periodically with the conservation unit. The industry represented by the association includes dealers in secondary nonferrous metals such as aluminum, copper, red and yellow brass, zinc, nickel, lead and tin, as well as dealers in rubber, paper, woolen rags, and cotton rags.

A.A. Chemical Company is the firm name under which C. Apablasa and J. F. Hurley have obtained a certificate to conduct business at 2415½ East Slauson avenue, Huntington Park, Calif.



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Climax Molybdenum Sales Up

Climax Molybdenum Company, this city, sales for the first quarter of 1941 were estimated at 4,700,000 pounds by Max Schott, president, at the annual meeting of stockholders April 3. Sales for the full 1940 year amounted to 16,300,000 pounds. He disclosed that refining capacity of the Pennsylvania plant was being increased, and that an expenditure of $310,000 had been authorized for this purpose in 1941.

Air Reduction Company, Inc., this city, has named to the directorate Clarence Francis, president of the General Foods Corporation.

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474 Ohio Bldg. Akron, Ohio
Carbide and Carbon Bldg. Chicago, Ill.
624 California St., San Francisco, Cal.

Chemical Society Hears About Defense Problems

—Continued from page 5

this source. We are at present accumulating stock balances of ammonia, and this effort is being aided by the Export Control Administration.

In order to prevent shortages in the supply of certain types of nitrogen compounds, it may be necessary to direct some forms of nitrogen into other channels. For example, it may be needful to substitute Chilean nitrate temporarily as a raw material in certain present applications for synthetic ammonia or its derivatives. In this way it would be possible to release synthetic ammonia for uses for which it is especially adapted.

Our present concern is the fact that it requires from eighteen months to two years to build a synthetic ammonia plant, while munitions plants can be constructed in a period of eight or nine months. Accordingly, if conditions become serious, it may be necessary to curtail the use of nitrogen for industrial and certain agricultural uses in order to meet the demands. This policy, which would assuredly give a sufficient quantity of nitrogen for a heavy munitions program, naturally would be adopted only as a last resort.

The nation is assured of an ample supply of toluene, basis of TNT. Several petroleum companies are proposing plants in units of 5,000,000 gallons, and it is estimated that toluene production could be increased from this source by 100,000,000 gallons annually. The cotton linters problem has been attended to in a similar manner.

We estimate that even under peacetime conditions the total domestic demand for petroleum products during 1941 will be 8 or 9 percent greater than the total domestic demand during 1940, which was in itself a new high record.

Possible Tanker Bottleneck

The only possible bottleneck which gives us concern is in tanker transportation to the East coast. About 95 percent of the petroleum products consumed by East coast States are delivered there by tanker, either in the form of crude or refined products, and mainly from the Gulf coast. The movement from the Gulf coast alone amounts to about 1,350,000 barrels daily and requires the services of a fleet of 260 domestic tankers.

In addition, eight large, high-speed tankers have already been requisitioned by the Navy and several more are likely to be so requisitioned, especially in the event of war.

In the event of a naval war in the Atlantic, which might result in the loss of some tankers and necessitate the use of a convoy system, there would undoubtedly be serious difficulty in supplying civilian requirements on the East coast, and for the reason we have been urging the petroleum industry to relieve this situation by all possible means. Such means include the building of more storage on the Atlantic seaboard, so that reserve stocks can be built up and tankers can be used effectively during the slack season; the construction of more tankers, twenty-five of which are expected to be delivered during this calendar year; and the building of any pipeline or barge transportation facilities which can be undertaken by private capital to help to supply the East coast without involving the tanker haul around Florida.

Sulphuric Acid Situation

Dr. Weidlein described the sulphuric acid situation as a promising picture, as it is necessary only to increase the nation's oleum capacity to meet the demands. Production facilities for activated carbon of the type suited for gas masks are entirely inadequate to satisfy the Chemical Warfare Service, he said. Therefore, these facilities are being increased by the construction of new plants.

Discussing antimony sulphide, an essential ingredient of primers, Dr. Weidlein said that experiments in the past war and during 1940 have shown that it is difficult to make from Bolivian or Mexican ores a synthetic product equal to the Chinese antimony sulphide. Primers from these ores do not have the same sensitivity; the synthetic material has in fact proved to be unsatisfactory, he said. The opening up of the Burma Road has temporarily relieved anxiety regarding supplies from China, but this problem has been presented to the National Research Committee for further investigation, he added.

Dr. Weidlein said that large stores of important drug materials have been accumulated, and that two to three years' supplies of such important drugs as iodine, opium, and quinine are at hand.

Many of the nation's difficulties in obtaining strategic materials, Dr. Weidlein stated, can be traced to the draining out of the country over the past few years of products needed for defense purposes.

This country has been industrially unprepared for protection from attack, Dr. Weidlein added. The chemical industries have been as far away from the munitions business as it was possible for them to get. Plants used in the first World War were dismantled. For future welfare, therefore, martial machinery must be built from the ground up. Industrial and scientific organizations must be brought together to do well a highly technical job. Men must be trained. His opinion was that every professional chemist, chemical engineer, and technician will be needed effectively to carry out the various essential projects required.

Prof. Hugh S. Taylor, head of the chemistry department of Princeton University, discussed "Catalysis Serves the Petroleum Industry," a subject bearing directly on defense since it had to do with the catalytic reactions involved in the production of toluene.

A forum on "The Relation of the Chemical Profession to Selective Service" was led by Dr. Charles L. Parsons of Washington, secretary of the society, and Major Joseph S. Battley, chief of occupational deferment, Selective Service System.

Midgley Priestly Medalist

Dr. Thomas Midgley, jr., vice-president of the Ethyl Gasoline Corporation, New York, was awarded the Priestly medal, highest honor of the society, for both scientific ability and courage. Dr. Midgley, inventor of ethyl gasoline and a close friend of President Roosevelt, has made a fight similar to the President's against infantile paralysis. He was stricken six months ago while at work.

Two prizes of $1,000 each for outstanding contributions to chemical research were presented by the society. The Borden Company award in chemistry of milk went to Dr. Claude S. Hudson of the National Institute of Health, Washington, internationally known sugar chemist. The Eli Lilly & Company award in biochemistry was given to Dr. David Rittenberg of the Columbia University School of Medicine for his "brilliant work on isotopes as tracers in chemical reactions."

Recent findings in vitamin research, new engineering techniques, developments in the processing of natural and synthetic rubber, analytical methods for the petroleum industry, and progress in resins and plastics and organic chemicals were covered. The sixty-five papers of the longest divisional program, physical and inorganic chemistry, were devoted largely to pure

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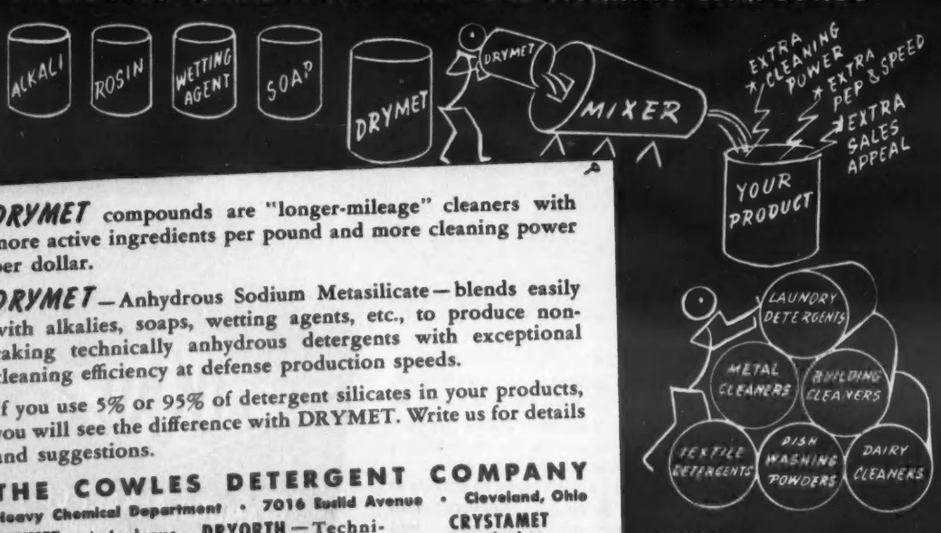

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science, including nuclear chemistry and thermodynamics. The biological and agricultural and food divisions heard reports on oils and plant pigments, and on the molecular structure of fats and oils.

Chemotherapy in relation to national defense was discussed by Dr. M. L. Crossley, director of research of the Calco chemical division of the American Cyanamid Company. Dr. Crossley, who is reporting new research on sulfanilamide and its derivatives, described means of combating infections that reduce the effectiveness of both the civilian population and the military forces.

A survey of the nutritional requirements of man in chemical terms was presented at the symposium on the "Nutritional Restoration and Fortification of Foods" by Prof. C. A. Elvehjem, of the University of Wisconsin.

In the vitamin symposium, topics included the influencing of vitamin content of plants, the destruction of vitamin A by certain feeds, the distillation of components of vitamin E from soybean oil, the physiological effects of of various parts of the vitamin B complex, the viatmin B content of wheat, corn, and green beans, and the analytical control of nicotinic acid fortification of flour and bread.

National defense demands the conservation of the nation's chemists and chemical engineers, Dr. Charles L. Parsons, secretary of the society, declared at a symposium on the relation of the chemical profession to selective service.

No Employable Chemists

The threatened depletion of the supply of technical brains needed by the chemical industry has created a grave situation, according to Dr. Parsons, who, warning against "misguided patriotism," asserts that "to draft chemists into the military service, where their precious talents will not be utilized, is to waste an important resource in national defense." Dr. Parson then said:—

Drafting graduates of West Point for service in our laboratories would be as logical as taking highly trained men away from material production to be utilized where any physically fit, untrained man would be equally valuable. This is a new kind of war, where the armed forces may be secondary even to the devices with which they fight. Indeed, the ratio of the World War of eight-seven workers for every thirteen men in the armed forces may be greatly increased.

Some method must be found to prevent further inroads into the ranks of chemists and chemical engineers, all of whom are "in the production army now."

The supply of chemists and chemical engineers does not now meet the demand. The demand is increasing, but the prospective output is falling more and more rapidly below normal. While the draft boards, with the aid of the State advisors on occupational deferments, have deferred most chemists and chemical engineers engaged in the production program, there are a number of men with years of special training, even through the doctorate degree, who are serving as privates in the Army, where their specific ability is lost to the country.

There are almost no employable chemists now unemployed. This, together with the 1941 deficiency, makes every chemist engaged in "civilian activities which are contributing to the national health, safety, and interest" a key man in the national defense, since he can be replaced only by competitive bidding for another man already so engaged. Such bidding has begun. Already, hundreds of the graduating class of 1941 have been placed. Some departments have placed their entire output.

Members of the visiting press were entertained at a cocktail party in the Missouri Athletic Club April 8 by the Monsanto Chemical Company.

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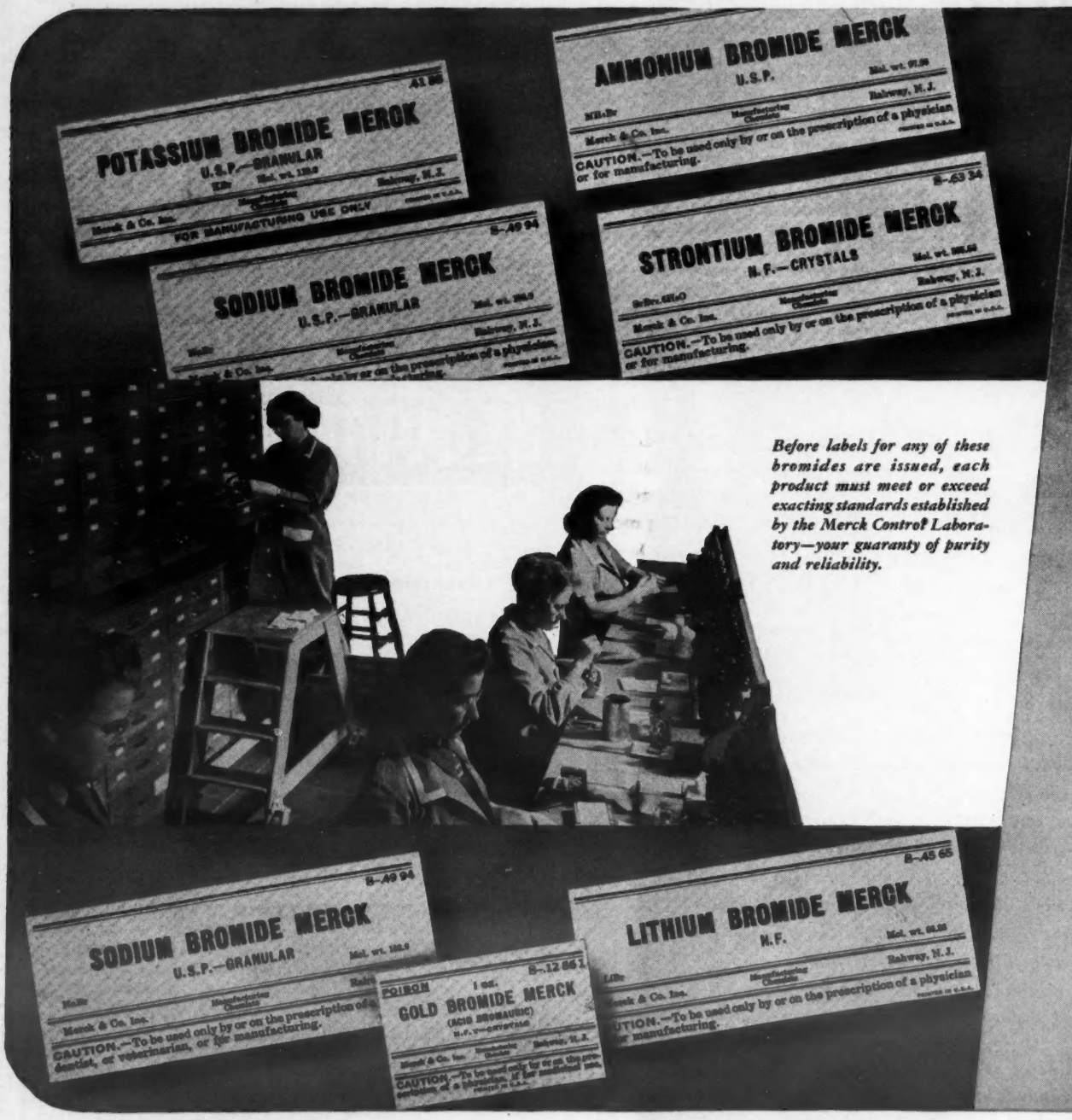
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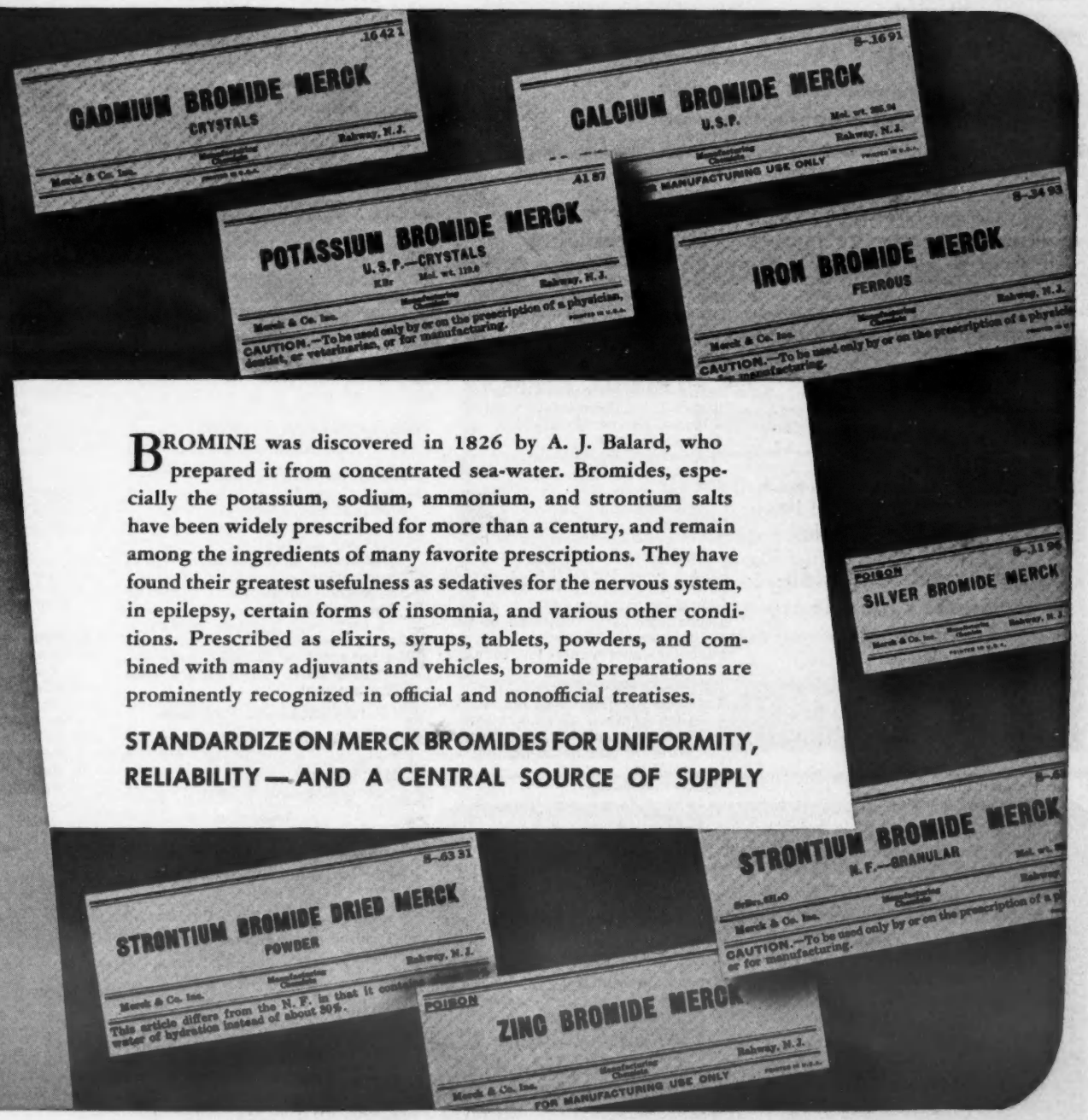

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Bis-(5-methoxy-2-methyl-benzoxazole-1) - beta-ethylcarbocyanin Bromide

Photographic

Sensitizer (U.S. 2072908) in—
Photographic emulsions

4'-Chlor-4-hydroxydiphenylmethane

Disinfectant

Claimed (U.S. 1967825) as—
New bactericide

1:3-Dichloropropane

Chemical

Starting point (U.S. 2098239; Brit. 498225) in making—
Cyclopropane

Diethyleneglycol Monoethylether Laurate

(Carbitol Laurate, Lauric Acid Ester of Carbitol)

Cellulose Products

Plasticizer for—
Nitrocellulose

Cosmetic

Plasticizer for—
Nitrocellulose
Synthetic waxtype material with special properties for use in cosmetic products

Miscellaneous

Synthetic waxtype material with special properties for use in polishes of various kinds

Textile

Synthetic waxtype material with special properties of value in textile processing

---

Dihydroxytricarbamido-Triferric Chloride Hexa-acetate

Leather

Tanning agent (Brit. 468157)

Diorthotolylguanidin

Rubber

Accelerator in—
Vulcanizing processes
Improver in vulcanizing—
Rubber
Rubber-latex compounds

Ethyleneglycol Monoethylether Stearate

(Cellosolve Stearate, Stearic Acid Ester of Cellosolve)

Adhesives

Plasticizer for—
Alcohol-soluble gums
Nitrocellulose
Resins
Water-soluble gums

Cellulose Products

Plasticizer for—
Nitrocellulose

Chemical

Plasticizer for—
Alcohol-soluble gums
Nitrocellulose
Resins
Water-soluble gums

Cosmetic

Plasticizer for—
Alcohol-soluble gums
Nitrocellulose

Gums

Flexibilizer for—
Alcohol-soluble gums
Water-soluble gums
Plasticizer for—
Alcohol-soluble gums
Water-soluble gums
Softener for—
Alcohol-soluble gums
Water-soluble gums

Paint, Varnish, and Lacquer

Plasticizer for—
Alcohol-soluble gums
Nitrocellulose
Resins
Water-soluble gums

Plastics

Plasticizer for—
Nitrocellulose
Resins

Resins

Plasticizer for—
Resins

Ferronickel

(Alloys containing from 35 percent to 46 percent nickel, and sometimes some chromium, manganese, or tungsten)

Miscellaneous

Fabrication metal in making—
Bars between microscopes of a comparator for length standards
Bi-metals for thermostatic controls
Chronometer machinery
Clock machinery
Expansion compensators for such devices as piston struts, cylinder head studs, distance pieces, and the like
Instruments requiring fixed distances between points to be independent of temperature
Length measures such as measuring tapes
Liquid-air machine parts
Mechanical parts subjected to very low temperatures
Parts for experimental low temperature research
Rotary distributors
Thermostatic controls in heating apparatus, such as electric ovens, laboratory ovens, gas ovens, oil burners, and house-heating apparatus
Watch machinery

Parachlorophenylorthotoluidin 4-Sulphonate

Dye

Coupling agent (Brit. 434209 and 434433) in making—
Yellowish-red, water-insoluble dyestuffs with—
5-Methoxyorthotoluidide

2-Paratolylthiolquinolin Methiodide

Dye

Process material (Brit. 454687) in making—
Cyanin dyes

Potassium-2-Mercaptobenzothiazole

Rubber

Accelerator in—
Vulcanizing processes
Improver in vulcanizing—
Rubber
Rubber-latex compounds

Resorcinol Monopropylether Diethylcarbamate

Animal Husbandry

Claimed (Brit. 493465) as—
Vermicide for animals

Sodium-Sulphosuccinic Acid Dioctylester

Adhesives

Wetting agent (U.S. 2028091) in various adhesive preparations

Chemical

Wetting agent (U.S. 2028091) in—
Emulsions of various chemicals
Textile lubricants

Cosmetic

Wetting agent (U.S. 2028091) in various cosmetic preparations, such as creams, hand lotions, and the like

Disinfectant

Wetting agent (U.S. 2028091) in—
Disinfecting compositions
Germicidal compositions

Dry Cleaning

Wetting agent (U.S. 2028091) in—
Dry-cleaning solutions

Dye

Wetting agent (U.S. 2028091)

Fats, Oils, and Waxes

Wetting agent (U.S. 2028091) in—
Boring oils
Cuttings oils
Drilling oils
Greasing compositions
Lubricating compositions
Sulphonated oils
Wire-drawing oils
Wax preparations

Ink

Wetting agent (U.S. 2028091) in—
Printing inks
Writing inks

Insecticide and Fungicide

Wetting agent (U.S. 2028091) in—
Fungicidal compositions
Horticultural sprays
Insecticidal compositions

Leather

Wetting agent (U.S. 2028091) in—
Dressing compositions
Fat-liquoring compositions
Finishing compositions
Soaking compositions
Softening compositions
Tanning compositions
Waterproofing compositions

Metallurgical

Wetting agent (U.S. 2028091) in—
Metal-plating processes
Metal-cleaning baths
Scouring agents for metals
Solvent degreasing processes

Miscellaneous

Modifier (U.S. 2028091) of—
Surface tension of liquids in various products and processes
Wetting agent (U.S. 2028091) in—
Beer glass coasters
Cleaning compositions for windows, glassware, rugs, upholstery, and so on
Embalming fluids
Ink removers
Polishing compositions for furniture, automobiles, metals, wood, glass, shoes, and other articles
Soldering fluxes
Various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting
Wallpaper removers
Waterproofing compositions

Paint, Varnish, and Lacquer

Wetting agent (U.S. 2028091) in—
Lacquers
Paints
Pigment manufacture
Varnishes

Paper

Wetting agent (U.S. 2028091) in—
Beater operations
Dye liquors
Felt conditioning
Felt-cleaning agents
Sizing compositions
Waterproofing compositions
Waxing compositions

Petroleum

Wetting agent (U.S. 2029081) in—
Cutting oils
Mineral oil compositions
Pitch compositions
Tar compositions

Pharmaceutical

Suggested wetting agent (U.S. 2028091) in—
Oral antiseptics

Photographic

Wetting agent (U.S. 2028091) in—
Blueprint processes
Photographic processes

Rubber

Wetting agent (U.S. 2028091) in—
Cements

Soap

Wetting agent (U.S. 2028091) in—
Detergent compositions
Textile soaps

Textile

Bleaching

Wetting agent (U.S. 2028091) in—
Bleaching baths

Dyeing

Wetting agent (U.S. 2028091) in—
Dye baths

Finishing

Wetting agent (U.S. 2028091) in—
Coating compositions
Scouring compositions
Sizing compositions
Washing compositions
Waterproofing compositions
Waxing compositions

Manufacturing

Wetting agent (U.S. 2028091) in—
Bowking baths
Carbonizing baths
Degreasing compositions
Degumming and boiling-off baths
Fulling baths
Kier-boiling baths
Mercerizing baths
Oiling compositions
Soaking baths
Spinning compositions

Printing

Wetting agent (U.S. 2028091) in—
Printing pastes

Trimethylethyl-Lead

Petroleum

Antiknock agent (Brit. 498509) in—
Gasoline motor fuels

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Dyestuffs, Textile and Leather Chemicals

Egg Products Continue Upward — Potato Dextrin Is Firmer —Powdered Quebracho and Liquid Wattle Bark Extract Up —Common and Plantation Gambier Prices Advanced

Prices continued upward in the market for dyestuffs, textile and leather chemicals last week. Egg products again led the advance marking the third conservative week of rising prices. Most sellers were quoting, and conditions appear to be more stabilized. The tight spot situation in gambier, combined with the uncertainty of replacements brought firmer prices for the common and plantation. Powdered quebracho and liquid wattle extract advanced fractionally. Domestic potato dextrin was higher.

Business displayed some irregularity; however, the majority of items were in fairly good call. Tanning and sizing materials were well booked; most chemicals were taken steadily. Natural dyestuffs were not particularly active.

Imports of raw tanning materials during February totaled 7,925,018 pounds, against 16,721,552 in February a year ago, according to the Department of Commerce. Imports of tanning extracts amounted to 18,667,103 pounds, compared with 14,693,006 pounds in February, 1940. Of the total, 16,486,397 pounds represented quebracho, as against 9,351,543 in the same month a year ago. Mangrove and wattle extract made up the bulk of the remainder.

Price Changes

Advanced

Albumen, egg, dom., 5c. per lb.
Dextrin, potato, dom., ½c. per lb.
Egg yolk, dom., 2c. per lb.
Gambier, common, ½c. per lb.
plantation, 1c. per lb.
Quebracho, ext., powd., ½c. per lb.
Wattle bark, ext., ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
168.2	163.6	154.1	143.0

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Interest routine. Prices steady to firm.

Alumina Chloride.—Market firm, and inquiries moderately active.

Ammonia Acetate.—Leading seller offering in barrels and kegs only; drum price withdrawn. Price firm, and buying moderate.

Ammonia Bichromate.—Steady to firm price tone. Transactions narrow.

Antimony Salts.—Trading dull. No change in the quotations.

Chrome Acetate.—Purchases fairly steady, and prices rule firm.

Potash Bichromate.—Good movement against contracts. Prices unchanged and firm.

Potash Prussiate.—Routine demand for yellow; stocks of red depleted. Prices firm.

Soda Bichromate.—Withdrawals remain steady. Good export inquiry. Prices held firm.

Soda Prussiate.—Quotations remain the same, and takings were moderate.

Sulphonated Oils.—A firm undertone characterized the trading, and inquiries were good.

Zinc Dust.—Bulk of business confined to regular channels. Prices firm.

Dyestuffs

Annatto.—Buying usually held to necessary replacement needs. Prices lacked change.

Cochineal.—Small lots made up the call. Nothing new occurred in the prices.

Fustic. — Withdrawals moderate. Pricewise a steady to firm tone prevailed.

Hypernic.—Prices unchanged and tone firm. Transactions conservative.

Indigo.—Buying narrow. Prices unchanged and firm.

Logwood.—Shipments fairly steady. No change disclosed in the prices.

Madder, Dutch.—Market a quiet affair. Prices remain unaltered.

Turmeric.—Offerings continued limited, and quotations were entirely nominal.

Sizing Materials

Albumen, Blood.—Prices firm. Inquiries and shipments steady.

Albumen, Egg.—Domestic prices advanced 5c., making crystal 80c. to 85c. per pound. Stocks of imported negligible. Good inquiry.

Corn Sugar.—Bookings steady. Prices underwent no change.

Dextrin, Corn.—Steady to firm price tone. Shipments moderately active.

Dextrin, Potato.—Prices ½c. higher, ranging from 8c. to 10c. per pound for domestic. Buying irregular.

Egg Yolk. — Domestic 2c. higher, ranging from 68c. to 75c. per pound; imported offered at from 63c. to 67c. per pound. Good interest.

Sago Flour.—No further change in prices, but tone was firm. Bookings steady.

Starch, Corn.—Prices held the same. Withdrawals held at favorable levels.

Starch, Potato. — Inquiries spotty, while prices held at previous levels.

Starch, Rice. — No new price developments. The call was routine.

Starch, Wheat.—Interest was about moderate. Price held unchanged and firm.

Tapioca Flour.—Prices firm at recently established levels. Offerings subject to higher replacement costs. Good inquiry.

Tanning Materials

Chestnut Bark. — Steady demand. Prices rule firm.

Cutch.—Dealings routine. No change in the quotation.

Divi Divi. — Fair inquiry. Prices held at same levels.

Gambier.—Common up ½c. at 8c. to 8½c. per pound; plantation advanced 1c., ranging from 10½c. to 11c. Moderate inquiry.

Hematine. — Usual consumers made necessary replacements. Prices unchanged.

Hemlock. — Shipments moderately active and prices remain firm.

Mangrove Bark. — Price without change. Inquiries only fair.

Myrobalans.—Nothing new occurred in the prices, and purchases moderate.

Oakbark.—The call was steady and prices underwent no change.

Osage Orange. — Market a routine affair. Quotations failed to change.

Quebracho. — Powdered advanced ½c., making car lots 7½c. and less car lots, 8½c. per pound. Purchases steady.

Quercitron.—Usual consumers made necessary withdrawals. Prices held at previous levels.

Spruce.—Steady to firm price tone. Buying steady.

Wattle Bark. — Liquid extract advanced ¼c. to the basis of 5c. in tanks and 5¼c. in barrel lots. Moderate interest.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

U.S. Air Bases Needs Imported Duty-Free

OPD Washington Bureau
April 10, 1941

Material, equipment, supplies, and goods imported for use in the construction, maintenance, operation, and defense of the United States naval and air bases in Newfoundland, Bermuda, Jamaica, St. Lucia, Antigua, Trinidad, and British Guiana, are to be exempt from customs duties and taxes, by terms of a provision contained in the agreement between the United States and the United Kingdom for the use and operation of the United States bases, signed in London on March 27, 1941, according to an announcement by the Department of State.

J. R. Bullock has been elected director of the Griess-Pfleger Tanning Company, Cincinnati.

Textile Chemists to Hear Talk on Costs April 25

F. A. Prisley, of the Haywood-Schuster Woolen Mills, will address the New York section of the American Association of Textile Chemists and Colorists on the topic, "A System for Controlling the Cost of Dyeing in Mills," at a meeting to be held April 25 in the Chemists' Club, this city.

The New York section will hold its annual outing June 20. The site is as yet undecided. Other meetings of association sections are that of the South Central group, which will be held in the Farragut hotel, Knoxville, Tenn., May 17; and the Midwest section outing, to be held June 14, at Lake Lawn, Delawan, Wis.

General Dyestuff Offering New Red and Black Blue

General Dyestuff Corporation, this city, has issued circulars on monochrome black blue GA and "Palatine" fast red RNA. The circulars give a detailed description of method of application and discussed properties and fastness. Copies of the circulars are available at the office of the company, 435 Hudson street, New York.

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Coaltar Chemicals

Some Production Centers Affected by Soft Coal Stoppage —Government May Reopen Several Idle Beehive Coke Ovens —Demand for Many Items Exceeds Available Supplies

The stoppage of bituminous coal operations began to have some minor effects at principal production centers last week. While negotiations were still going forward to end the tie up in soft coal shipments, some blast furnaces were shut down because of a coke shortage. Meanwhile, the Office of Production Management was surveying idle Western Pennsylvania beehive coke ovens in an effort to restore sufficient ovens to supply 9,000,000 tons of coke annually for the steel industry.

Demand for many chemicals exceeded available supplies. Tar acids, including cresols, cresylic acid, naphthalene and phenol were in heavy call. Sellers endeavored to take care of all contract consumers, and to accept new business only when it was possible to do so. Benzol, toluol and xylol were taken in good quantities. Demand for motor benzol has greatly strengthened the position of the market. Toluol was taken directly from production channels.

A number of coaltar acids and intermediates were in a tight position. Offerings of cleve's, maleic and picric acid were somewhat limited. Phthalic anhydride was very active and sellers were pressed to make all deliveries. Anilin, dimethylanilin, dinitrobenzene, dinitronaphthalene, dinitrotoluene, nitrobenzene, orthonitrotoluene, orthocresol, paratoluidine and toluidin were in steady demand. A good inquiry prevailed for hydrogenated solvents. Shipments of coaltar colors remained good.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Market displays firm tone. Shipments steady.

Carbazole.—Buying routine. Quotations without change.

Coaltar.—Shipments moved fairly steadily against contracts. Prices remain the same.

Creosote Oil. — A firm price tone prevailed, some seasonal pickup was discernible in the demand.

Cresols.—Demand active, and shipments moved steadily against contracts. New business limited. Prices firm.

Cresylic Acid.—Inquiries continue to exceed available supplies, and offerings usually limited to regular consumers. Prices firm.

Naphthalene. — A steady buying movement kept the market in a firm position. Supplies limited.

Oil, Shingle Stain.—Market a routine affair. Prices failed to change.

Phenol.—Active demand. Sellers usually restrict business to regular channels. Prices rule firm.

Pitch, Coaltar. — Moderate buying from usual consumers was the rule. Prices without change.

Pyridin.—Demand sufficient to take care of all production, and market retained its firmness.

Tar Acid Oils.—Interest lacked any broadening, however, prices were well sustained.

Toluol.—Shipments moved directly to consuming channels, and market position was firm.

Xylol.—A steady demand remained in evidence. Pricewise a firm tone prevailed.

Chicago Coaltar Bases

Strong market conditions prevail in general in coaltar bases. Buyers are anxious to cover their needs with a margin of safety, and accordingly orders are quite extensive. Benzol continues in good call, other products firm. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8½c. to 9c., nearby refineries; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexanol.—Steady inquiry, and prices underwent no change.

Cyclohexanone.—Shipments moderate. No change disclosed in the quotations.

Methylcyclohexane.—A satisfactory buying interest was underway, and prices held at the same levels.

Coaltar Acids

Anthranilic.—Steady call from regular channels. Prices firm.

Benzoic.—Firm prices prevailed, and shipments routine against contracts.

Broenner's.—Moderate call. Prices unchanged and tone firm.

Cleve's.—Material offered at 65c. per pound. Withdrawals steady.

Fumaric.—Inquiries and shipments good. Prices display firmness.

Gamma.—Business routine, and tone continued firm.

H.—Usual consumers gave market steady support.

Laurent's.—Steady to firm price tone. Buying moderately active.

Maleic.—Shipments active. Prices without change and firm.

Malic.—Prices rule unchanged, and demand steady.

Picramic.—Market position strong, and inquiries good.

Picric.—Steady interest. Prices rule firm.

Salicylic.—Technical grade in moderate demand. Prices without change.

Succinic.—Replacement buying remained satisfactory, and tone was firm.

Sulphanilic.—Buying moderate, and prices underwent no change.

Tobias.—Steady call. No change occurred in the quotations.

Other Intermediates

Alphanaphthol. — Business steady. No change in the prices.

Alphanaphthylamine. — Buying moderate. Prices firm.

Anilin.—Steady demand. Prices display firmness.

Anthraquinone.—Withdrawals moderately active. Prices rule firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Syn. Organic Chem. Mfrs. Ass'n, June 4, Skytop, Pa.
Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Benzaldehyde.—Shipments of technical routine. Prices without change.

Benzidine Base.—Market firm, and the call was steady against contracts.

Betanaphthol. — Steady to firm price tone. Withdrawals moderate.

Betanapthylamine.—Spot and contract commitments well maintained. Prices firm.

Diethylanilin. — Prices unchanged and firm. Shipments steady.

Dimethylanilin.—Business moved at good pace. Prices firm.

Dinitrobenzene. — Good demand. Prices remain the same.

Dinitrochlorobenzene. — Steady movement against contracts. Prices held firm.

Dinitronaphthalene .— Inquiries and shipments well sustained. Prices lack change.

Dinitrophenol.—No change occurred in the prices, with the call routine.

Dinitrotoluene. — Price in drums 15½c. per pound; oily available at 5c. per pound. Good inquiry.

Diphenyl.—Moderate demand. Prices without change.

G. Salt.—Market a routine affair. Prices remain the same.

Metanitroparatoluidin. — Call conservative. Prices unchanged.

Nitrobenzene. — Buying steady. Pricewise a firm tone prevailed.

Nitronaphthalene. — Shipments usually made to regular consuming channels.

Orthoanisidin. — Market firm, and business remained steady.

Orthochloroanilin. — The call was moderate, and prices failed to change.

Orthochlorophenol. — Shipments routine. Prices underwent no change.

Orthocresol.—Bookings active, and market in a firm position.

Orthonitrotoluene. — Offerings usually limited to regular channels. Prices firm.

Orthotoluidin.—A steady to firm tone prevailed. Demand steady.

Parachlorophenol. — Prices without

—*Continued on page* 40

Drug Firms Subpenaed On German Relations

—*Continued from page* 3

restrict the production of certain important drug, dye, and chemical products and to control and restrict the development by American corporations of foreign trade with South American markets in these commodities.

According to the complaints, the department stated, the German interests have entered into patent licensing agreements with American affiliates or associates under which the American firms would withhold their products from South American markets. This action, it is charged, was taken for the purpose of preserving German control over South American markets for certain drug, dye, and chemical products.

When, as a result of the war, the British blockade made it impossible to ship these products directly from Germany to South American markets, it is alleged that the German controlling interests arranged to have their American affiliates manufacture the identical German products in this country and supply them under their German tradenames to the South American firms which had placed orders in Germany. The American affiliated companies, however, were restricted by the agreements from selling the products generally in South American countries.

Many of the products to which the alleged agreements relate, the department stated, are of major importance from the standpoint of national defense, including vaccines used by the army and the navy; cortate, an anti-shock hormone; sulphanilamide; drugs for the cure of venereal diseases; and sex hormones.

It is also charged in the complaints that large German financial credits have been created in the United States and in South America through the use of the alleged agreements.

The department pointed out that, if the practices complained of are found to exist, they would constitute serious restraints of both domestic and foreign commerce, as well as having a very harmful effect upon the national defense effort of this country.

Other Aspects Examined

While the announcement of the grand jury investigation discusses chiefly restrictions in patent licenses preventing American firms from selling in certain areas, it is learned that the investigation probably will go into many phases of relationships between certain companies here and the German government or German corporations. For months various agencies of the Federal government have been looking into the stock ownership and control of American corporations which were suspected of having German connections, including some which are believed to have had no German financial interests since the World War.

Data have been collected on the international operations of the German dye trust (I. G. Farbenindustrie) and several Swiss concerns suspected of handling relationships between the German I. G. and chemical and other concerns in the United States and elsewhere. It is said that investigations have been made of the citizenship and private activities of persons with German-sounding names who are serving as officials of many American chemical and pharmaceutical companies.

Many of the conditions and practices under investigation may not be illegal but are being studied for diplomatic reasons. Among other practices talked about is that German distributing firms in South America have been able to make good on their delivery promises by supplying customers with drugs and other articles manufactured in the United States but distributed under German trademarks. This not only retained the German trade-names to the South also provided the German government with foreign exchange.

Schering Issues Statement

In a statement issued April 10, the Schering Corporation denied any participation in any matter fundamental to the allegedly illegal activities. It said:—

Schering Corporation, organized several years ago, is an American concern in which there is no German interest or influence either directly or indirectly. No German material enters into any of Schering's products either for domestic or export use. Schering Corporation does a considerable export business and through this has been able to double the number of its employees and establish a market for American-made medicinal products. To the best knowledge of its management not a cent of the proceeds of the South American concerns goes to Germany either directly or indirectly.

Schering Corporation is a pioneer in the development of sex hormone therapy; it has recently introduced a new hormone product, cortate, which is considered valuable in postoperative shock. There has been no scarcity of this material and it is available in any quantities from Schering and other American concerns. It has been sold to Great Britain and Canada, and has been offered in unlimited quantities. This product, as well as all other Schering products, is available in any quantities required for the American market and markets of the British Empire and South America.

The other drug and chemical corporations subpenaed had not yet prepared statements when OPD was sent to press.

Hygrade Sylvania Corporation, this city, has purchased the Patterson Screen Company, maker of fluorescent powder, Tonawanda, Pa.

Dr. Otto Eisenschiml, of the Scientific Oil Compounding Company, Chicago, spoke to the Food, Drug and Cosmetic Institute at its meeting April 8 on "The Drama of Lincoln's Assassination."

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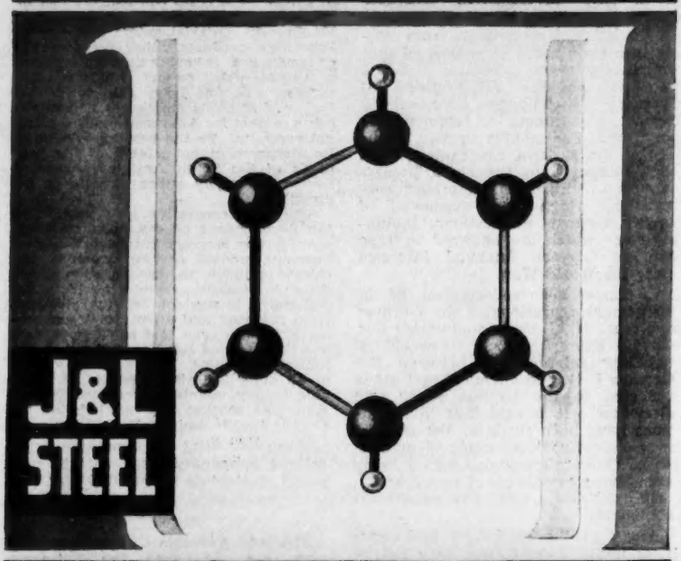

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Coaltar Chemicals

Other Intermediates

—*Continued from page* 39

change, and business moderately active.

Paranisidin. — A moderate demand prevailed, and prices were the same.

Paranitroaniline.—Prices firm. Shipments continued steady.

Paranitrochlorobenzene. — Withdrawals moderately active. Prices remain unchanged.

Paranitrophenol.—Firm tone characterized the trading, with demand well sustained.

Paranitrotoluene.—Demand steady from usual channels. Prices failed to change.

Paratoluidine.—Firm price tone, with inquiries good.

Phthalic Anhydride.—An active interest continued, and market position was strong.

R. Salt.—Prices remain the same. No change disclosed in the prices.

Thiocarbanilide. — Demand steady. Pricewise a firm tone predominated.

Toluidin, Mixed. — Prices without change and tone firm. Shipments good.

Xylidin, Mixed.—A steady to firm tone prevailed. Buying steady.

Coaltar Colors

A fairly broad demand was again in evidence for coaltar colors last week. Shipments moved against contracts steadily to the textile and other principal consuming trades. Export inquiries held up well. A steady to firm price tone prevailed.

All-American colors, gay, spirited hues playing up the sports theme, are highlighted in the 1941 Fall Woolen collection, released by the Textile Color Card Association. They comprise trophy gold, gridiron rust, hockey blue, polo rust, cross-country green, racing purple, champion blue, track tan, horseshow red, sailing blue, varsity rose and ski green. An important color note in the high fashion range is expressed in temple bronze and green tobacco. Santos brown, a stimulating coffee shade, and its lighter complement, amber sun, give further evidence of the strong style position of golden tans and browns. Especially promising in the blue family for fall off shades of soft greenish cast, as oceanic and deepwater blue. Interpreting a neutral color theme for fall are the maritime tones, sea grey and darker squadron grey.

A.W. Burwell Awarded 1941 Schoellkopf Medal

Arthur W. Burwell, of the Alox Corporation, Niagara Falls, N. Y., has been awarded the 1941 Schoellkopf Medal of the Western New York section of the American Chemical Society. Dr. Burwell is to receive the medal in recognition of his work in producing and utilizing fatty acids, lactones, and other chemicals from petroleum.

Patent Control Bills Backed as Defense Need

—*Continued from page* 3

July 1, 1940 (public No. 700), authorizing the Commissioner of Patents to withhold the grant of a patent for any period required in the interest of national defense. Publication or disclosure of such a patent, or the filing of an application for a foreign patent, would under this law give the Commissioner the right to hold that the invention has been abandoned.

In some instances, it was explained by patent office officials, evasions of this law have occurred through the filing of an application for a foreign patent before filing of an application in this country, or before the issuance of an order of secrecy by the commissioner. The proposed amendment is designed to eliminate any such possibility by requiring that a license be obtained prior to any foreign application.

George F. Smith Enters Business on Own Account

—*Contniued from page* 5

on the staff of Charles Pfizer & Co., and for a period was associated with the Lehn & Fink Corporation. In 1919 Mr. Smith joined Philipp Brothers, Inc., to organize and develop its chemical department. In his capacity as a manufacturers agent, Mr. Smith will distribute chemicals entering the textile, tanning, glass, insecticide, drug and allied industries.

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Paint, Varnish, Lacquer Materials

Raw Paint Material Shipments Heavy—Peak Expected at End of Month—Most Prices Firm—Casein Advanced —Zinc Stocks at 30-Year Low

Shipments of raw paint material continued at a high rate last week, with colors and pigments manufacturers anticipating the peak of the season at the end of this month. On the whole, movement into consumption was better than normal and was running ahead of last year. New business appeared more readily, while contract deliveries were well maintained. Most products were either firm or were showing strength. Domestic and Argentine casein were advanced.

Southern and local markets for turpentine and rosin were firmer. Turpentine showed a rather sharp advance at one time. Changes in rosin quotations were small or moderate. Weather conditions were still generally unfavorable for production and marketing and receipts continued abnormally light.

Stocks of slab zinc in the hands of domestic producers at the end of March totaled 6,969 tons, equal to about three days' needs at the current rate of shipments, and the lowest in nearly thirty years, according to the American Zinc Institute. Stocks declined despite a jump in production to 63,366 tons, highest on record. Zinc scrap and secondary slab dealers who were unable to complete deliveries made under a firm commitment prior to April 4, effective date of the ceiling price order, will be allowed exception from the order, Leon Henderson announced last week. Persons complaining of hardship under the operation of the schedule may apply for exception.

Metallic Lead and Zinc

Demand for pig lead has definitely tapered off since producers were requested not to sell above the current figure. The market remained in a comfortable position, however, with prices firm and unchanged both at New York and East St. Louis. The slab zinc situation remained tight, with sales allocated and with prices stabilized.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from April 5 to April 11, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from April 5 to April 11, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Good movement, with supplies not extensive. Price steady and unrevised.

Flake White—Fair interest reported. Shipments routine. Price firm.

Litharge.—Buyers were showing good interest in ordering out supplies. Shipments were maintained at a high level. Price steady and unchanged.

Lithopone.—Continued good buying interest was reported for the period under review. Inquiries still held to good levels. Prices were firm and unrevised.

Metronite Pigment.—Contracting for second quarter delivery was fairly brisk. Price unchanged.

Orange Mineral.—Demand was better than normal. Price was steady.

Red Lead.—Consumers continued to order large supplies. In sympathy with the metal, prices were firm and unchanged.

Titanium Pigments.—Remained one of the most active of the pigments. Ordering against contracts heavy. New business satisfactory. Prices firm.

White Lead.—Movement remained large. New business was less conservative. Prices were firm and unchanged.

Zinc Oxides.—Interest of consumers held the market here to high levels. Shipments were made in large volume and were regular throughout the week. Prices were firm and unchanged.

Price Changes

Advanced

Casein dom., ½c. per lb.
imp., ½c. per lb.
Rosin, gum, low, medium grades, 2c. to 6c. per 100 lbs.
Turpentine, gum, 2½c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Fillers and Extenders

Asbestos.—Continued good movement. Prices firm and unchanged.

Asphaltum.—Shipments maintained at fairly high level. Price steady.

Barytes.—Shipping pace satisfactory. New business routine. No changes in prices.

Blanc Fixe.—Fair buying interest reported. Prices steady.

Bentonite.—Routine movement. Price firm.

China Clay.—Fairly active call. Quotations unaltered.

Charcoal.—Movement less moderate. Price firm.

Diatomaceous Earth.—Chemically pure material in good call. Movement of natural types routine. Prices firm and unchanged.

Fullers Earth.—Conservative buying interest reported. Price steady.

Graphite.—Fair interest in offerings reported. No changes in price.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

PARAMET SYNTHETIC RESINS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

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WATER—THINNED PAINTS
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Controlled Particle-Size
High Opacity
Uniform Tinting Strength
•
Clays of Exceptionally White Color
•
GEORGIA KAOLIN CO.
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Main Office: ELIZABETH, NEW JERSEY

Gypsum.—Demand well maintained. Price steady.

Marble Flour.—Satisfactory interest in offerings. Inquiries more numerous. Price steady and unrevised.

Mica.—Material was moving into consumption in normal manner. New business was fair. Prices were firm and unchanged.

Rottenstone.—Buying for second quarter delivery was conservative. Price was steady.

Talc.—Domestic grades in satisfactory demand. Prices firm and unchanged. Imported material in good call with offerings small.

Tripoli.—Routine movement reported. Prices firm.

Whiting.—Air-floated material was moving well at unchanged prices. New business was beginning to broaden.

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LACQUERS
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Sample and a copy of "Solvents Derived from Petroleum" available
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Driers

Despite another advance in stearic acid, prominent producers of stearates last week maintained quoted prices. Bids were not encouraged but sales were reported at previous levels. Other driers were moving well and were firm.

Naval Stores

A firmer tone developed in the primary naval stores situation last week. In the case of turpentine the trend of prices was strongly upward at times, sales being reported on Wednesday at 37c. per gallon, bulk basis. This compared with 34¾c. at the close of the previous week. Changes in rosin quotations were comparatively narrow but the tendency of some grades was upward. Business was more active, buying interest in turpentine showing a considerable increase as a result of the light receipts. A small movement had been expected during the early weeks of the new season but the shipments proved to be materially below estimates as a result of the abnormally low temperatures prevailing over much of the South in recent weeks. In filling orders for turpentine dealers found it necessary to supply 50 percent of the amount required from their own stocks which in not a few instances had fellen to unusually low levels. As supplies of turpentine in the producing regions are also abnormally small there appeared to be little prospect of any increase of consequence in primary receipts in the near future. An increase was noted in the export inquiry for rosin last week and the domestic trade in that commodity also showed some improvement.

Naval Stores Exports Off

Exports of naval stores from the United States for the first two months of 1941 registered a decline in all items. Comparative figures for the two months of 1940 and 1941 are as follows:—

		1940.	1941.
Gum rosin	lb.	38,901,500	15,985,835
Wood rosin	lb.	38,476,000	13,970,757
Gum spirits of turpentine	gal.	874,001	447,644
Wood turpentine	gal.	682,057	151,294
Pine oil	gal.	455,251	238,334

Mexican Output Small

Climatic conditions throughout the Durango section of Mexico were unfavorable during February, and as a result the production of naval stores was small, according to a consular report. One of the leading producers in the area closed operations. Sales for February amounted to 63 metric tons of rosin. No sales of turpentine were reported for the month. Stocks of naval stores on hand at the end of February were reported to be approximately 562 metric tons of rosin and 2,000 gallons of turpentine. For the season year it is estimated that there will be 35 crops, or 350,000 cups, farmed this year in the Durango area, as compared with 68 crops, or 680,000 cups, farmed last year.

Turpentine.—The local market for turpentine was firmer in company with the primary center, where the trend was upward in the main, with offerings light and the inquiry more active. The movement from the woods continued small.

SAVANNAH, April 11.—Following is a record of the turpentine market for the week:—

	Gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	35¼	2,850	8	188	4,556
Tuesday	36	8,500	87	23	4,620
Wednesday	37	5,600	92	19	4,693
Thursday	37¼	1,850	106	176	4,623
Friday*	..	...	...	...	...

* No trading.

JACKSONVILLE, April 9.—Turpentine stock, 9,038 barrels.

PENSACOLA, April 5.—Turpentine stock, 49,667 barrels.

Chicago—April 11

Turpentine remains quiet. Five-drum lots, 46c. per gallon; five wood barrels,

MAY 1st DEADLINE
For submitting samples of
YELLOW-GREEN SEMI-GLOSS PRIMER and OLIVE DRAB LUSTRELESS ENAMEL
QUARTERMASTER SPECIFICATION ES-No. 359b QUARTERMASTER SPECIFICATION ES-No. 474b
To simplify the manufacture and facilitate production of this finish for the Quartermaster Corps, the following composite pigments are offered :
M-8001 YELLOW-GREEN PRIMER PIGMENT
M-8002 OLIVE DRAB ENAMEL PIGMENT
When used with the proper vehicles the above pigments produce coatings which pass the composition and performance requirements of the specifications and have been approved by the Quartermaster Corps.
Samples and complete technical information available for immediate distribution to established paint manufacturers.
C. K. WILLIAMS & CO., Easton, Pa.
In order to secure the approval of the Quartermaster Corps for 1942 requirements, samples of the primer and enamel must be submitted to the Purchasing and Contracting Officer, Holabird Quartermaster Depot, Baltimore, Maryland, prior to May 1, 1941.

51c.; single drums, 49c.; single barrels, 54c.

Rosin.—Changes in rosin quotations were generally within rather narrow limits, but the tendency was upward at times. Weather conditions were still unfavorable for operations in the woods, and primary receipts and offerings were light. Here demand was fairly active.

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Permanent Orange Toners
Pyrotone Red Toners
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Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

SAVANNAH, April 11.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed. Thurs.	*Fri.
B	...	$1.59	$1.59	$1.61 $1.61	...
D	...	1.86	1.87	1.88 1.88	...
E	...	1.86	1.87	1.88 1.88	...
F	...	1.86	1.88	1.91 1.91	...
G	...	1.87	1.89	1.91 1.93	...
H	...	1.87	1.89	1.91 1.93	...
I	...	1.87	1.89	1.91 1.93	...
K	...	1.95	1.95	1.96 1.97	...
M	...	1.97	1.97	1.97 1.97	...
N	...	2.12	2.12	2.12 2.12	...
WG ..	...	2.56	2.56	2.56 2.56	...
WW ..	...	2.76	2.76	2.76 2.76	...
X	...	2.76	2.76	2.76 2.76	...
	Barrels				
Sales....	...	26	184	231 40	...
Receipts.	...	576	440	245 185	...
Shipments	..	435	451	8 ...	...
Stocks...	...	...	...	... 153,599	...

* No trading.

JACKSONVILLE, April 9.—Rosin stock, 317,903 barrels.

PENSACOLA, April 5.—Rosin stock, 50,265 barrels.

Chicago—April 11

Rosin fairly active. Five-drum lots:—B grade, $2.89 per 100 pounds net; G grade, $3.15; M grade, $3.25; W.W. grade, $4.07.

Other Naval Stores

Pine Oil.—Increased request for moderate quantities on spot. Market steady.

Pitch.—Local trade fairly active. Spot stocks light or moderate. Tone firm.

Rosin Oil.—Quotations steady with basic material. Fair movement of moderate quantities.

Tar.—Selling schedules maintained. Steady contract movement.

Dry Colors

Alkali Blue Toner.—Steady movement at unchanged price.

Bone Blacks.—Good demand. Shipments large and regular. Prices firm and unchanged.

Carmine No. 40.—Satisfactory call. Market firm.

Carbon Blacks.—Contracting for second quarter delivery brisk. Shipments smaller than heretofore this year. Price steady.

Chrome Colors.—Movement less moderate than previous week. Inquiries about the same. Prices firm and unrevised.

Fire Red Toner.—Routine call. No price changes.

Iron Oxides.—Good demand. Shipments large. Prices unchanged.

Lacquer Maroon.—Fair call. Price unchanged.

Lamp Blacks.—Satisfactory buying interest reported. Consumers ordering out in large quantities. Prices firm and unaltered.

Lithol-Rubine Toner.—Better than normal call. Price steady.

Mercuric Oxides.—Movement slightly broader. Consumers ordering in larger volume. Prices firm and unchanged.

Ochers.—Inquiries continued to expand. Prices were firm.

Siennas.—Demand good. Shipments large. Prices firm.

Vermilion.—Quiet and unchanged. Demand fair.

Lacquer Materials

A good volume of business continued in the market for lacquer materials and solvents last week. Commitments against contracts were steady from practically all basic consuming industries. Situation in many materials was tight, and sellers were under pressure to make prompt deliveries. A considerable amount of new business and export inquiries were not accepted. Prices experienced no alterations, but the tone was firm.

Acetone.—Shipments continued active. Prices unchanged and firm.

Alcohol, Butyl.—Steady movement against contracts. Prices rule firm.

Cellulose Acetate.—Demand moderately active, and prices underwent no change.

Dibutyl Phthalate.—Inquiries and shipments remained good. Prices without change.

Dichlorethyl Ether.—Firm price tone, and interest held steady.

Ethyl Acetate.—Market position strong, while buying was well sustained.

Isopropyl Acetate.—Prices unchanged and firm. A good buying movement continued in evidence.

Tricresyl Phosphate.—Withdrawals sufficient to absorb offerings. Market position firm.

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Only PICCOLYTE
The Versatile Resin
COMBINES ALL THESE ADVANTAGES:

1. NON-YELLOWING
2. LOW COST
3. PALE COLOR
4. PETROLEUM-SOLUBLE
5. CHEMICALLY INERT

When you need a non-yellowing resin, and cost is a factor, use PICCOLYTE!

In addition to freedom from after-yellowing, this pale color, low-cost, synthetic resin is extremely soluble in low-cost naphthas; is compatible with waxes and other resins; is chemically inert and resists alkalies, acids, brine, alcohol; goes into solution quickly; has excellent wetting properties; is thermoplastic, unsaponifiable and is available in various melting points.

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Pennsylvania Industrial Chemical Corporation, Clairton, Pa.
Gentlemen: Send me a sample of PICCOLYTE
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Name.....
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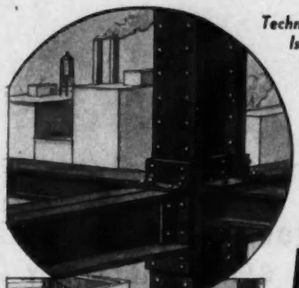
MAPICO Reds

SOLVE MANY FORMULATING PROBLEMS

Do you desire a red iron oxide that disperses easily in all types of vehicles, with minimum abrasion to grinding equipment, and better suspension in the vehicles? A pigment that makes clean, bright films with permanent colors? Then you will use MAPICO Reds. They are the "last word" in red iron oxides.

Seven standard colors (MAPICO Red 516, Light, Medium and Dark, MAPICO Red 110, and MAPICO Crimson 88, 98 and 108) produce warm, pleasing films. Extended with white, they give a wide variety of eye-filling orchids, corals and pinks. All MAPICO pigmented paints are exceptionally fade resistant.

Technical Inquiry Is Invited



APPLICATION

MAPICO Reds are particularly suited to coatings for fabrics and artificial leather which must withstand hard wear—to metal primers where rust-prevention is desired—in tints to interior wall paints where beauty is combined with durability. Try them in your formulas.

MAPICO Reds

PURE OXIDES OF IRON

Produced in the United States of America from native raw materials

MAGNETIC PIGMENT CO.

MANUFACTURER

BINNEY & SMITH CO., *Distributor*

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Shellac

Shellac prices in Calcutta were reported to be very steady. On spot, no shading of market schedules was reported and T.N. shellac was selling at a fractional advance to 24½c. to 25½c. per pound. Superfine was 25c. to 26c. and very firm. No surplus of spot stocks was noted and in view of the increasing scarcity of shipping space on ships from Calcutta, there seemed little chance that any important accumulation of unsold stocks was likely in the nearby future. Demand was reported excellent and the entire price situation, therefore, was far more favorable to sellers than buyers.

Varnish Gums

Demand fairly good. Importers continued to encounter some difficulty in obtaining shipping facilities from the Far East. Prices were firm and unchanged. Supplies on hand in this country believed ample to meet present demand.

Synthetic Resins

Ester Gum.—Deliveries were normal during the week. New business was fairly large. Price was steady and unchanged.

Chlorinated Rubber.—Demand fair at unchanged prices.

Glues and Binders

Casein.—Demand dropped slightly from the high peak of the previous week, but domestic producers and importers of the Argentine material advanced quotations ½c. per pound. The 20-30 mesh domestic product was quoted at 14½c. per pound in car lots; 14¾c. for five tons, and 15c. for smaller amounts. The 80-100 mesh was ½c. per pound higher in each case. Argentine material was offered at 13c. to 13¼c. per pound for 20-30 mesh in car lots and 13½c. to 13¾c. for car lots of the 80-100.

Glues.—Demand continued to exceed production. Prices were purely nominal.

Army Paint Pigments Offered by C.K. Williams

C. K. Williams & Co., paint pigment manufacturer, Easton Pa., is offering a yellow-green primer pigment and an olive drab enamel pigment suitable for the formulation of samples of yellow-green semi-gloss primer and olive drab lustreless enamel, meeting the specifications of the Quartermaster Corps of the United States Army. In order to secure approval of the corps for its 1942 requirements, samples of the primer and enamel must be submitted to the Purchasing and Contracting Officer, Holabird Quartermaster Depot, Baltimore, Md., prior to May 1, 1941.

Specifications of the yellow-green semi-gloss primer are set forth in quartermaster specification ES-No. 359b; those of the olive drab lustreless enamel in Quartermaster specifications ES-No. 474b.

Cleveland Paint Technicians To Hear About Gums

Anthony Klett, director of research for the American Gum Importers Association, will review his recent work on traffic paints, primers for metal surfaces, leafing of aluminum paints, and flat lacquers and varnishes at the meeting of the Cleveland Paint and Varnish Production Club April 18 in the Allerton hotel—dinner at 6:30 p.m., $1.40.

Mr. Klett's topics will be illustrated with numerous slides. His talk is scheduled for 8 p.m.

Resin Glues Discussed

The features and advantages of 'Plaskon' resin glues are discussed in an attractively illustrated booklet issued by the Plaskon Company, synthetic resin manufacturer. Leaflets accompanying the booklet present technical information concerning the mixture and use of both hot-setting and cold-setting grades of the resin glue. Copies of the booklet may be obtained by addressing the Plaskon Company, 2112 Sylvan Avenue, Toledo, Ohio, mentioning the REPORTER.

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- ☐ DIBUTYL PHTHALATE
- ☐ SOLOX

N.Y. Paint Club Slate Headed by Leo Roon

—Continued from page 4

didates for vacancies on the executive committee:—James H. Abraham, of the Clover Leaf Paint & Varnish Corporation, Long Island City; O. J. S. deBrun, of the Egyptian Lacquer Manufacturing Company; and Ralph M. Neumann, of the New Jersey Zinc Company.

With the exception of Mr. Henrickson and Mr. Neumann, all the above were named nominees for election as delegates to the fifty-fourth annual convention of the National Paint, Varnish and Lacquer Association. Others named were:—

Dean C. Anderson, of the Brooklyn Varnish Manufacturing Company; Thurlow J. Campbell, of Valentine & Co.; Graham W. Corddry, of the Titanium Pigments Corporation; Ralph H. Everett, of the Keystone Varnish Company, Brooklyn; Harry R. Hillman, of the Eagle Paint & Varnish Works, Inc., Long Island City; H. M. Howard, of the Thibaut & Walker Company, Long Island City; David H. Litter, of D. H. Litter Company; Michael J. Merkin, of the M. J. Merkin Paint Company; E. D. Murphy, of the National Can Corporation; George C. O'Brien, of the Hercules Powder Company; and John McE. Sanderson, of the American Cyanamid & Chemical Corporation.

Alternates to the convention nominated were:—

T. E. Alwyn, of the American Can Company; W. S. Auchincloss, of the Schnell Publishing Company; C. Homer Flynn, of the Paramet Chemical Corporation, Long Island City; A. G. Frankenhoff, of the Dicalite Company; W. W. Higgins, of the United Carbon Company; A. E. Horn, of the A. C. Horn Company, Long Island City; John T. Kealy, of the Binney & Smith Company; Samuel Klein, of the Calco chemical division of the American Cyanamid Corporation; George A. Melven, of Gillespie-Rogers-Pyatt; Earl J. Nelson, of the Aluminum Company of America; Leo Silverstein, of Benjamin Moore & Co.; Harry C. Soffer, of the Paragon Paint & Varnish Corporation, Long Island City; J. P. Surtoc, of E. I. duPont de Nemours & Co.; B. M. Van Cleve, of the Sherwin-Williams Company; H. A. Wakefield, of the Imperial Paper & Color Corporation; and James S. Wolf, of the Standard Varnish Works, Staten Island.

The next regular meeting of the New York Paint, Varnish and Lacquer Association will be held on May 8 in the Hotel Biltmore, this city. The club's annual sports outing will be June 5 at the Westchester Country Club, Rye, New York.

Paint Problems Unit Set Up in OPM

—Continued from page 3

agreed upon April 4 at a meeting of the steering committee of the protective coatings section in New York.

Mr. Nelson explained that the purpose of the enlistment of manufacturers in the survey of protective coatings problems in relation to national defense is threefold:—

1. To see that defense needs are met.
2. To avoid making an unnecessary impact on industry.
3. To obtain products needed in defense contracts as economically as possible.

Problems have arisen from raw material shortages, the need for planning and research to discover substitute for certain raw materials, and the necessity for prompt changes in specifications when shortages in raw materials develop. Even when raw materials are plentiful, Mr. Nelson explained, there may be other obstacles in the way of adequate provision, such as the lack of ships to bring natural resins and tung oil to this country from their sources in the Orient.

The subcommittees which are being set up to solve these and other problems as they relate to specific aspects of the protective coatings industry will function under two major groups, one for standardization and simplification of specifications, and the other for critical materials. The specifications group will be composed of eight subcommittees. The four major subcommittees will be classified in accordance with the major uses of structural, industrial, marine, and cellulose coatings. The industrial coatings problems will be broken down into four subordinate units as they relate to metal, automotive, railroad, and wood coatings. The critical materials group will be subdivided into five subcommittees studying drying oils, pigments, resins, solvents, and celluloses, respectively.

The steering committee, which acts in an advisory capacity to J. B. Davis, special adviser on paint in the Division of Purchases, engaged in a thorough discussion of the problems of the protective coatings industry in relation to national defense before assigning problems to the subcommittees.

The members of the steering committee are Ernest Trigg, president of the National Paint, Varnish and Lacquer Association; A. J. Wittenberg, of the Stroock & Wittenberg Corporation; T. M. Nelson, of E. I. duPont de Nemours & Co.; Paul Kennedy, of the Murphy Varnish Company; Werner G. Smith, of the Werner G. Smith Company Division of the Archer - Daniels - Midland Company; William Mueller, of the Stoney Mueller Company; Rae Paul, of the National Lead Company; Frank L. Sulzberger, of the Enterprise Paint Company; and Paul Sprague, of the Glidden Company.

American Can Boosts Paint

During April the American Can Company trucks from coast to coast will display the above poster, 40 inches

by 51 inches. This travelling message has proved an effective promotional tie-in with the paint industry's clean up and paint up campaign.

Paint Federation Contest To Close June 30

Kenneth J. Howe, chairman of the scholarship committee of the Federation of Paint and Varnish Production Clubs, has announced that college students desiring to enter the federation prize contest must send their papers in by June 30, 1941.

Two prizes will be offered of $150 each, one for undergraduate students and one for graduate students, for papers of interest or importance to the paint and varnish industry. Papers should be sent to Mr. Howe, Federation of Paint and Varnish Production Clubs, 5-48 Forty-sixth road, Long Island City. The prizes will be awarded at the annual convention to be held in October, 1941.

Balto. Club Hears Talk On Synthetic Resins

The feature of the April meeting of the Baltimore Paint and Varnish Production Club was an address by C. J. Kaiser, of Reichhold Chemicals, Inc., on "Synthetic Resin Development and Uses." He outlined the improvements made in these resins during the past few years, and also touched on the oil situation, explaining the problems and methods of application.

The assignment of David Finck to the position of chairman of the program committee, instead of the chairmanship of the entertainment committee, was noted, and Irwin Baker, chairman of the auxiliary technical committee, announced that the committee is about to prepare a report on its findings on "Industrial Diseases in the Paint Industry," which is being looked forward to with much interest.

Falk & Co., oils specialties, Pittsburgh, has moved its Chicago office to 600 South Michigan avenue.

Asbestos Corporation of America has purchased the industrial plant at 453-55 Communipaw avenue, Jersey City, N. J., from the Amsco Wire Products Corporation.

George A. Martin, chairman of the board of the Sherwin-Williams Company left New York April 11 for Buenos Aires, Argentina, to visit his company's new plant there, which was recently put in production.

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—*Continued from page 4*

affixed, or annexed any word, figure, mark, picture, design or drawing, or any advertisement of any nature; or (3) shall manufacture, sell, expose for sale or to public view or give away or have in possession for sale or to be given away or for use for any purpose, any article or substance being an article or thing for carrying or transporting merchandise, upon which shall have been printed, painted, attached, or otherwise placed a representation of any such flag, standard, colors, or ensign, to advertise, call attention to, decorate, mark, or distinguish the article or substance on which so placed; or (4) shall publicly mutilate, deface, defile, or defy, trample upon or cast contempt, either by word or act, upon any such flag, standard, colors, or ensign, shall be deemed guilty of a misdemeanor and shall be punished by a fine not exceeding $100 or by imprisonment for not more than thirty days, or both, in the discretion of the court. The words "flag, standard, colors, or ensign," as used herein, shall include any flag, standard, colors, ensign, or any picture or representation of either, or of any part or parts of either, made of any substance or represented on any substance, of any size evidently purporting to be either of said flag, standard, colors, or ensign of the United States of America or a picture or a representation of either, upon which shall be shown the colors, the stars and the stripes, in any number of either thereof, or of any part or parts of either, by which the average person seeing the same without deliberation may believe the same to represent the flag, colors, standard, or ensign of the United States of America.

The bill was sponsored by Senator Andrews. It is being handled in the House by Representative J. H. Petersen of Florida. There is no Federal law protecting the flag. The pending measure has been furthered by D.A.R. members for whom the original draft was made by James P. McGovern who also has promoted the measure through his activity in the Military Order of the World War.

Philipp Brothers Names New General Manager

—*Continued from page 4*

trict sales supervisor. For the last ten years he has been assistant manager of the chemical division of the American Agricultural Chemical Company, the post he relinquished to join the Philipp Brothers, Inc., organization.

Philipp Brothers, Inc., with branch offices in Boston and Providence, handles a wide line of industrial chemicals and carries warehouse stocks at New York, Boston and Salem, Mass., Woonsocket and Providence, R. I., and at other strategic points throughout the country.

Steel Barrel Output Off

Production of heavy type steel barrels and drums in February amounted to 1,034,681, against 1,454,298 in January and 802,960 in February last year. Shipments totaled 1,045,853, against 1,443,945 in January and 808,635 in February last year. Stocks at the end of the month totaled 51,599, compared with 62,771 in January.

Output of light types totaled 239,613 in February, compared with 256,465 in January and 204,398 in February last year. Shipments amounted to 238,330, against 255,824 in January and 201,514 in February last year. Stocks at the end of the month amounted to 35,667, against 34,384 in January.

Wholesaling Held Part Of Interstate Commerce

—*Continued from page 4*

ance with the wage provisions of the law. In his dismissal of the defendant's contention that, because it made no sales outside the State of Georgia, it was not engaged in interstate commerce, the judge said, in part:—

Interstate commerce must have a beginning and an ending. It makes no difference whether the beginning is little and the ending is big, or the beginning big and the ending little. In such a case the commerce is the same throughout and the figures are congruous. Under the circumstances, Alterman and his business is not any the less engaged in commerce because it does not further carry on the stream of commerce into another State. The proposition that antecedent acts may engage one in commerce as well as subsequent acts would appear to be supported by authority and is certainly sound in reason.

International Rendering Company is the firm name under which Clement Hirsch has obtained a certificate to conduct business at 3206 Packer avenue, Los Angeles, Calif.

Oils, Fats, and Waxes

Cottonseed Oil and Lard Up to New Highs After Early Weakness on War News — Many Other Oils and Fats Also Higher —Fatty Acids in Upward Trend—Trade Expanding

A decidedly strong tone prevailed in miscellaneous oils, fats and greases last week, further advances being recorded in all branches of the market. At one time early in the week cottonseed oil and lard dropped under general selling on disturbing war news from Europe but the decline was only temporary and was followed by a renewal of speculative buying that carried the futures markets up to new high levels for the season. The price increases in various vegetable, animal and fish products were unusually sharp. Business was more active and some in the trade would not be surprised to witness a further expansion after the Easter holidays.

Peanut growers will hold a referendum April 26 on proposed marketing quotas for the 1941 crop. The amendment to the 1941 Agricultural Conservation Program offers farmers an opportunity to further reduce the acreage planted to cotton by making it possible for them to grow peanuts for oil in lieu of cotton on any part of their cotton acreage allotment.

Vegetable Oils

Castor, Dehydrated. — Steady contract movement. New business active. Quotations unchanged. Tone apparently firmer.

Chinawood.—Stronger at 28½c. per pound, tankcar base price. Offerings limited, at times withdrawn pending developments at Washington where meeting of trade interests with government officials was held early in week. Future supplies regarded very uncertain by some. Importations at New York last week 683 tons from Hongkong.

Coconut.—Crude offerings light, all positions. Nominal spot price ½c. higher. Refined ¾c. higher. Demand fairly active. Copra offerings scarce.

Corn.—Stronger. Crude up ½c.; refined ¾c.; quotations nominal.

Cottonseed.—Edible oil active. Quotations up ¾c.

Oiticica. — Buying interest stimulated by developments in chinawood. Market firm. Offerings light, spot and future.

Olive.—Inquiry active. Offerings limited in all instances. Denatured up 15c., edible 25c. and foots ¾c., all strictly nominal.

Palm.—Nominal quotations up ¼c. to ⅜c. Good inquiry. Spot stocks light. Shipments uncertain.

Peanut.—More active and firmer. Offerings limited. Quotations up ½c. to ¾c. and nominal.

Perilla.—Inquiry increased. Offerings light, spot and future.

Rapeseed.—Firmer with competing products. Quotations up ¼c. Spot stocks apparently light.

Soybean.—Quotations advanced ¼c. to ½c. by some sellers. Demand more active, domestic and export. Beans irregular.

Teaseed.—Stocks light and diminishing. Sales of crude reported at 18c. to 18½c.; refined, 22c.

There was no trading in soybean oil futures on the New York Produce Exchange, from April 5 to April 10, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	7.65 bid
July	...	...	7.65 nom.

Markets at Other Centers

Chicago, April 11.—Vegetable oils active.

COCONUT.—Refined, edible, 9½c. to 9¾c. per pound, drums, car lots; 10c. to 10¼c., drums, less car lots.

CORN.—Crude, mills, 8c. to 8¼c. per pound. Refined, edible oil, 9¾c. to 10c. per pound, barrels, car lots; 10¼c. to 10½c., barrels, less car lots.

SOYBEAN.—Crude, April-forward, 7⅜c. to 7½c. per pound.

The market for soybeans on the Chicago Board of Trade was active. Price changes frequent. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Apr. 11.	Closing Apr. 4.
Cash, No. 2.	$1.17½	$1.14¼	$1.17½	$1.14
May	1.18⅜	1.11⅜	1.17⅜	1.14
July	1.17½	1.09⅜	1.15¼	1.12⅛

San Francisco, April 9.—Trade in vegetable oils continues active.

COCONUT.—Sales reported effected on basis of 4½c. per pound in tankcars, with sellers naming 4¾c. or higher today. Stocks threatened over lack of steamer space for copra.

COPRA.—Arrivals of copra continue to appear here, and such material is usually committed to previous coconut oil sales, but importers and crushers are currently having extreme difficulty in arranging further shipments owing to the lack of freight space. Copra is quoted in a number of price differentials today, the average of which seems to be in the neighborhood of 2.90c. to 2.95c. per pound, c.i.f. Pacific Coast, subject to getting space. Position is very tight.

CHINAWOOD.—Major sellers are either withdrawn from the market or are unable to offer in any quantity. Some drum lot business noted. Tankcars subject to release. New higher level posted here today is 28½c. per pound in tankcars, f.o.b. Pacific Coast ports.

BABASSU.—Very strong and only limited quantities available. Quoted on basis of 7½c. per pound in tankcars, f.o.b. Pacific Coast mills. Nut supply scarce.

COTTONSEED.—Crude quoted 7.50c. per pound in tankcars, f.o.b. Northern California mills.

PALM KERNEL.—Mills have a big backlog of orders. Market stronger, with sales noted during the week at 4¾c. per pound in tankcars, f.o.b. Pacific Coast mills.

SESAME SEED.—Supplies appear to have been completely sold out for the present and quotation is only nominal. Quoted on basis of 8¾c. per pound in tankcars for crude grade, f.o.b. Pacific Coast mills.

Price Changes

Advanced

Chinawood oil, ½c. per lb.
Coconut oil, crude, ½c. per lb.
Coconut oil, refined, ¾c. per lb.
Coconut oil fatty acid, ½c. per lb.
Cod oil, Newfoundland, 5c. per gal.
Copra, ¼c. per lb.
Corn oil, crude, ½c. per lb.
Corn oil, refined, ¾c. per lb.
Cottonseed oil, crude, ½c. per lb.
Cottonseed oil, edible, ¾c. per lb.
Grease, ⅜c. to ½c. per lb.
Lard, 25c. to 35c. per 100 lbs.
Lard compound, 75c. per 100 lbs.
Lard oil, ⅜c. to ½c. per lb.
Lauric acid, 1c. per lb.
Linseed oil, 2-10c. per lb.
Linseed oil fatty acid, ¾c. per lb.
Menhaden oil, refined, 4-10c. per lb.
Neatsfoot oil, ⅜c. to ½c. per lb.
Oleo oil, 2c. per lb.
Olive oil, denatured, 15c. per gal.
Olive oil, edible, 25c. per gal.
Olive oil foots, ¾c. per lb.
Ouricury wax, crude, 1c. per lb.
Ouricury wax, double refined, ½c. per lb.
Palm oil, ⅜c. per lb.
Peanut oil, crude, ½c. per lb.
Peanut oil, refined, ¾c. per lb.
Rapeseed oil, refined, ¾c. per lb.
Red oil, ½c. per lb.
Sardine oil, refined, 4-10c. per lb.
Sesame oil, crude, ¼c. per lb.
Soybean oil, ⅜c. per lb.
Soybean oil fatty acid, 1¼c. per lb.
Sperm oil, ½c. per lb.
Stearic acid, ½c. per lb.
Stearin, ⅜c. per lb.
Tallow, ½c. per lb.
Tallow oil, ¼c. per lb.
Teaseed oil, crude, ½c. per lb.
Teaseed oil, refined, 1c. per lb.
Whale oil, refined, 4-10c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
142.6	138.2	125.2	102.8

Market news that may have developed after this report was sent to press will be found on page 4.

Linseed Oil

Flaxseed prices irregular. Linseed oil higher. Cake and meal quiet and steady.

Flaxseed—DULUTH, April 11. — Flaxseed prices continued on the upgrade here this week, caused by a heavy demand for linseed oil for defense industries. With navigation opening last Tuesday, it is expected that more flax will come to the elevators here. It is expected that a 200,000 bushel cargo of flax will be loaded into one of the first boats arriving here this week for shipment East.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.97½	$1.90
Monday	1.96¾	1.80¾
Tuesday	1.94½	1.87½
Wednesday	1.92⅝	1.85⅝
Thursday	1.93½	1.87½
Friday	*	...

* Holiday.

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	4,377,496	2,435	3,964,216	.....
Since Aug.	1,10,624,806	4,377,496	8,321,977	3,964,216

MINNEAPOLIS, April 11.—Cash flax continued to roll into this market in surprising volume during the past week and today, for the first time in a long period, there were signs of decrease of movement. Diversion point buyers still showed interest because of the desire

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Oil Chemists Soc., May 15-16, New Orleans.

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to build up shipping stocks at Duluth. The first boatload of seed was expected to move out on Monday of this week, but a northwest wind piled up ice and prevented ingress of boats to the Duluth harbor. A fleet of four boats is being held up in the ice about four miles out of Duluth. Advices today said that these boats were being snaked up to the Duluth harbor by tugboats and probably would reach destination today or Wednesday. Loading will be prompt. Boats are hard to get due to the liberal demand for iron ore. Soil conditions through the northwest are good.

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The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.97½	$1.90½	$1.91
Monday	1.96¾	1.89¾	1.89½
Tuesday	1.94½	1.87½	1.87
Wednesday	1.92¾	1.85¾	1.80¼
Thursday	1.93½	1.86½	1.87
Friday	*	...	...

* Holiday.

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	110,600	23,800	29,400	47,600
Since Sept. 1	9,783,800	3,626,400	1,617,000	1,954,730

WINNIPEG, April 11.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.73½	$1.74½	$1.75¼
Monday	1.66½	1.67½	1.68¾
Tuesday	1.59¾	1.60¾	1.61¼
Wednesday	1.64½	1.65¼	1.66½
Thursday	1.57¼	1.58	1.59½
Friday	*	...	...

* Holiday.

BUENOS AIRES, April 11.—Flaxseed, May, 69⅞c. per bushel. Exports this week 524,000 bushels, including 488,000 to the United States. Total since January 1, as follows:—

To—	Bushels— This year.	Last year.
United States	3,420,000	6,572,000
United Kingdom	637,000	4,821,000
Continent	327,000	7,846,000
Orders	.....	598,000
Others	258,000	146,000
Totals	4,642,000	19,983,000

Visible Supply

	Bushels.
Last week	6,300,000
Previous week	5,906,000
Last year	6,693,000

Linseed Oil.—The local market was firmer, quotations being advanced two points by crushers. Moderate arrivals of flaxseed were noted here during the week but there appeared to be not a little uncertainty concerning future importations. Moreover, the trend of ocean freight rates was still upward with steamer space scarce. Here the inquiry for oil was on a fair scale but no transactions of importance were reported. The movement from local mills on unfilled contracts showed an increase, however, and in some quarters there was a tendency to raise estimates of the consumption during the current year. Demand for cash flaxseed in Northwestern markets was active and increased receipts were readily absorbed. Reports concerning the condition of the soil in the Northwest were favorable. Receipts of flaxseed at New York last week were 100,038 bushels.

MINNEAPOLIS, April 11.—Linseed oil buyers are losing some of their confidence in lower flax markets of the future and in the ability of the crushing trade to bring in Argentine flax supplies of consequence so there is less caution in the matter of providing supplies for requirements of the future. While business of the past week lacked real volume, there was some improvement. Estimates of requirements continue to advance. Consumption has far exceeded early season expectations and looks as though it might exceed more recent estimates.

Quotations on oil in tankcar lots, 9.3c. per pound; cooperage, car lots, 10.5c.; warehouse lots, 10.9c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	4,420,000	3,300,000
Since Sept. 1	110,700,000	94,340,000

SAN FRANCISCO, April 9.—Mills are having difficulty filling linseed oil shipping instructions, so heavy is the need for oil right now against old contracts. Quoted:—Tankcars, 9.5c. per pound; drum car lots, ex-mill, 10.2c.; drum lots, ex-warehouse, 10.6c.

Cake and Meal.—Quotations steady with cake nominal. There was a fair movement of meal.

MINNEAPOLIS, April 11.—Low temperatures prevent development of pasturage. For some time the linseed meal distributors have been down to dealing on a hand-to-mouth basis and therefore have to replenish stocks steadily.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $29 to $29.50 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	5,840,000	2,840,000
Since Sept. 1	255,461,000	137,220,000

Cottonseed Oil

Refined oil futures declined early in the week but rallied sharply later. Southern markets for cottonseed products generally firm.

Cottonseed Oil.—A rather sharp decline early in the week under general selling on disturbing war news from Europe was followed by a rally that carried prices up to new high levels for the season. Lard futures took a similar course. Liquidation for account of local and outside longs in cottonseed oil was heavy for a time. Some of the selling was on stop loss orders. At around 8.25 for July, however, fresh bullish support was received and early short sellers covered. Trade interests were on both sides of the market. Commission houses sold early and bought later.

Southern markets for crude oil were slightly easier at one time but they turned firmer later on. Many other vegetable, animal and fish oils, fats and greases continued to rise with offerings light and quotations in not a few instances merely nominal. Soybean future were irregular with other speculative commodities but soybean oil prices were advanced further by some sellers. Receipts of hogs were smaller than expected and hog prices moved upward after an early decline. Arrivals of hogs in the principal Western centers for four days of the week aggregated 211,100 head against 253,700 in the same time last year. The weight of the hogs received in Chicago during the week ended April 5 averaged 248 pounds against 251 pounds in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 5 to April 10, inclusive, comprised 2,175 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	8.75	8.25	8.75@8.80
July	8.80	8.25	8.79@8.80
September	8.90	8.35	8.88@8.89
October	8.92	8.34	8.91 sale

Crude, Southeast, .07¾c.

Chicago, April 11.—Cottonseed oil active. Refined, edible oil is 9¼c. to 9½c., drums, car lots; and 9½c. to 9¾c., drums, less than car lots.

Cake and Meal.—A steady or firm tone was reported in Southern markets. Meal fairly active. Offerings light.

Markets at Other Centers

Atlanta, April 8.—Cottonseed meal, 8 percent. $28.50 to $29 per ton. Trading limited to feed channels. Prime crude oil firm at 7½c. per pound. Fertilizer tag sales show an increase over March of last year, indicating higher applications of fertilizer per acre.

Memphis, April 10.—Crude cottonseed oil active this week, moving in fast range between 7⅜c. and 7⅝c. per pound, Valley basis. Trading now light. Many mills closed for the season. Crude oil stocks light. Meal, 41 percent, $25.25 per ton, Memphis basis. Bulk cake, $23.25 per ton, Mississippi points. Hulls, bulk, $5.50 per ton; sacked, $8.50, mill points. Weather fair. Moisture deficiency causing some comment. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 4.	April 10.
May	$25.00@25.30	$24.75@25.00
July	25.15@25.40	24.60@24.75
September	25.30@25.75	24.90@25.20
October	25.65@26.00	25.30@25.50
December	25.75@26.75	25.35@25.65

Closing soybean meal futures:—

May	$23.00@23.30	$23.00@——
July	23.25@23.50	22.75@——
October	23.10@23.35	22.60@22.75
December	23.00@23.35	22.60@22.80

Fatty Acids

Capric Acid.—Increased movement to local and outside buyers. Quotations stationary.

Castor Oil.—Prices unchanged, but tone firmer. Output moving steadily into consuming channels.

Coconut Oil.—Rise in basic material reflected in market for fatty acid. Prices up ½c. Demand good.

Lauric Acid.—Prices up one cent with raw material. Demand more active.

Linseed Oil.—Quotations advanced ¾c. on increased cost of basic product. Trade expanding.

Red Oil.—Prices advanced ½c. on increased cost of production. Business good.

Soybean Oil.—Stronger with raw material. Acid prices up 1¼c. Trade active.

Stearic Acid. — Tallow up again. Stearic acid prices raised ½c. Demand broadened.

Tall Oil. — Selling schedules unchanged. Market firm. Steady contract movement.

Chicago—April 11

Fatty acids decidedly strong and more active. Corn oil, double distilled, 9¾c. to 10c. per pound, tanks; 10¼c. to 10½c., drums, car lots; coconut oil, acidulated, 11½c. to 11¾c. per pound, tanks, nominal; 12c. to 12¼c., drums, car lots; cottonseed oil, double distilled, 8c. to 8¼c. per pound, tanks; 8½c. to 8¾c., drums, car lots; settled cottonseed soap stock, 2¾c. to 3c.; boiled down soap stock, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1⅝c. to 1¾c.

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Fish Oils

Cod.—Primary situation strong. Offerings scarce. Quotations nominal, 5c. higher.

Menhaden.—Local refined selling schedules advanced for points. Demand fairly active. New Florida fishing season opens about April 15.

Sardine.—Refined was stronger with crude. Prices here four points higher. Demand more active. Stocks light.

Sperm.—Quotations advanced ½c. per pound. Inquiry showed increase.

Whale.—Firmer with other products. Local refined quotations advanced four points. Inquiry more active.

Markets at Other Centers

Baltimore, April 9.—Florida reported the sale of a few tanks of crude menhaden oil at 40c. per gallon. A report of another sale at around 41c. lacked confirmation. Large consumers show little inclination to follow the market upward. Several fishing boats have been out from the Florida coast on a scouting expedition without finding evidence of the presence of fish, but the start of fishing for the season is expected soon.

San Francisco, April 9.—The sardine oil trade is talking of new season oil, but so far no transactions have been lined up. Such talk mentions 45c. to 47½c. per gallon as a possible trading basis. Official figures for the total oil produced in California during the past season have not been released yet, but the final out-turn of raw fish was 451,271 tons against 531,088 tons last year.

Fats and Greases

Grease.—More active and stronger. Quotations ⅜c. to ½c. higher. Spot stocks light.

CHICAGO, Apr. 11.—Choice white grease, 6½c. to 6¾c. per pound; yellow, 5¾c. to 6c.

Lard.—Cash market firmer. Domestic trade fairly active. Hog prices reacted after early advance.

CHICAGO, Apr. 11.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Apr. 11.	Closing Apr. 4.
Cash	$8.70	$8.45	$8.70	$8.45
May	8.92	8.80	8.75	8.50
July	9.03	8.42	8.90	8.65

Stearin.—Inquiry increased. Spot stocks light. Quotations advanced ¾c.

CHICAGO, Apr. 11.—Prime oleo stearin, 7¼c. to 7½c. per pound.

Tallow.—Sales at 6¾c. and later at 7c. per pound for extra, a net advance of ½c. Offerings light on rise.

CHICAGO, Apr. 11.—Inedible tallow, prime, 6½c. to 6⅝c.; special, 6½c. to 6⅜c.

There was no trading in tallow futures on the New York Produce Exchange from April 5 to April 10, inclusive. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
May	...	...	7.00 bid
July	...	...	7.10 bid

Animal Oils

Degras.—Demand stimulated by advance in other products. Tone firmer. Stocks light or moderate.

Lard.—Stronger with basic material. Quotations advanced ⅜c. to ½c. per pound. Trade improved.

Neatsfoot.—Selling schedules raised ⅜c. to ½c. per pound, according to grade. Demand fairly active.

Oleo.—Increased movement to local and outside consumers. Spot stocks light. Prices up 2c.

Tallow.—Firmer with basic material. Prices up ¼c. Trade routine.

Waxes

Bayberry.—Steady. Demand jobbing.

Bees.—Moving well as to refined yellow and bleached waxes. Crude tending easier as new-crop markets make offerings.

Candelilla.—Advance maintained. Situation called strong. Demand excellent. Likely to continue so long as carnauba remains high.

Carnauba.—Brazil holds prices firmly. Looks for large demand from the United States. Dealers here declare primary market far higher than warranted. Yellow waxes more favorably placed than gray. One quarter declared fatty gray was so high in price it should go on a reducing diet. Spot demand holds well.

Japan.—Moderately easy in inactive market. Price might be shaded.

Quicksilver.—Higher. Crude, 38c. to 39c. per pound; double refined, 44c. to 44½c. Only more distant shipment positions offered.

Chemicals From Fats

—Continued from page 3

Hydrogenation of the nitriles produces aliphatic amines which are finding a number of uses. These amines are alkaline substances related to ammonia. The lower molecular weight amines are soluble in water, the higher members are totally insoluble. They form salts with acids which are water-soluble. Both the amines and their salts have extensive industrial applications. They possess high bactericidal properties, are useful as flotation agents, antioxidants, waterproofing agents for concrete, bricks, and ceramic materials, as antifoaming agents, insecticides, and for many other purposes. Dioctylamine, a compound prepared from caprylic acid, has a high paralyzing and killing action upon insects and is a possible substitute for pyrethrum.

Alcohols and Ketones

Fatty alcohols are prepared by hydrogenation of the fatty acids or their glycerides. These are surface active agents useful as detergents, wetting agents, emulsifiers, and so on.

Both dialkyl and arylalkyl ketones can be prepared from the fatty acids. The former result when the acids are heated in the presence of catalysts, in the absence of air. They may also be prepared by pyrolysis of the calcium soap. They are waxlike solids which possess many of the properties of the natural waxes. The arylalkyl ketones are prepared by first converting the fatty acids to acid chlorides and then reacting them with aromatics such as xylene or benzene. These ketones are useful as fine lubricants, as plasticizing agents, waxes, coating compounds, and for similar purposes.

Coating compounds, paint bases, and lacquer substitutes can be prepared by reacting the fatty acids or the fats with compounds such as butadiene, indene, isoprene, and other unsaturated hydrocarbons in the presence of catalytic agents. These new derivatives show promise in the fields where flexible coatings are desired.

The use of the fatty acids as a starting point in chemical synthesis is still largely unexplored. There is no field in which the combined efforts of the research chemist and the chemical engineer will be more highly rewarded.

Peanut Marketing Quota Referendum April 26

—Continued from page 4

tural conservation program will be amended so as to permit the growing of peanuts for oil on any part of the cotton acreage allotment which is not used for cotton production without incurring deductions from agricultural conservation and parity payments, Secretary Wickard said today. It was pointed out that this provision would not affect the operation of peanut marketing quotas if they are approved by growers in the referendum.

In effect this means that for every acre by which a farmer underplants his 1941 cotton acreage allotment, he may overplant his 1941 peanut acreage allotment for the purpose of selling such peanuts at their market value for crushing for oil, and still qualify for full payments under the AAA Farm Program.

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Photography

Developing Agents for Photographic Use

(Continued from April 7 issue)

Paraphenylenediglycocoll (to give finely grained images)
Pyrogallol
Pyrogallic acid
Quinol
Rhodol
Thiourea

Dye for Painting on Negatives to Retard Printing

Crocein scarlet

Dyes for Photographic Color Filters

Acid green
Auramine
Auramine O (absorbs blue-violet and allows red, green, and yellow to pass)
Brilliant green
Chrysosulphite
Congo red
Coxin
Crystal violet
Filter yellow
Fuchsin
Magnesium picrate and sodium sulphite
Methylene blue
Naphthalene green
Naphthol green
Patent blue
Phenosafranin
Rapid filter red
Rapid filter yellow
Rhodamin
Tartrazin
Tartarzin with fast red D

Dyes for Photographic Toning

Auramine (yellow)
Chrysoidin 3R (orange)
Methyl violet
Methylene blue B.B.
Rhodamine B
Safranin A (red)
Victoria green

Dyes Used in Preparation of Photographic Plates and Films

Acridin dye (green-blue sensitizer)
Alizarin blue bisulphite (red)
Azo dyes
Benzonitrol (brown)
Cyanin
Erythrosin
Dianil
Dicyanin (red)
Eosin
Ethyl red
Ethyl violet (red sensitizer)
Ethylcyanin
Formyl violet (red)
Glycin (red)
Homokol
Isocyanins
Isokol
Lipidinquinolinamylcyanin iodide (blue)
Lipidinquinolinethylcyanin bromide
Monobrombluorescein (green)
Nigrosin D (red)
Orthochrom T
Paraethoxyquinaldinparamethoxyquinolinethylcyanin bromide
Paratoluquinaldinparatoluquinolinethylcyanin bromide
Paratoluquinaldinquinoliniummethylcyanin bromide
Phthaleins
Pinachrom
Pinacyanol
Pinaverdol
Perikol
Pluto (black)
Quinaldinquinolinethylcyanin iodide
Quinolin dyes
Rosanilin dyes (red)
Wool black

Hardening Agents for Photographic Gelatin

Acetylbenzoyl (the hardening effect is greatest at a pH value of 8)
Acetylcaproyl (the hardening effect is greatest at a pH value of 8)
Alum
Biacetyl
2:3-Butanedione
Diacetyl (the hardening effect is greatest at a pH value of 8)
Dibenzoyl (the hardening effect is greatest at a pH value of 8)
Dichloroacetone
Diketobutane
Dimethyl diketone
Dimethylglyoxal
Formylacrylic acid
Furfural
Glyceraldehyde
Glycol aldehyde
Glyoxylic acid
Hydrofuramide
Monochloroacetone
Paraoxybenzoyl carbinol
Potassium bichromate
Potassium-chrome alum
Sodium bichromate
Tartaric dialdehyde

Image-Dyeing Agents in Photography

Acetic acid
Acridin orange
Acridin red B
Auramine
Bromine
Cerium permanganate
Cerium persulphate
Chlorine
Formaldehyde solution
Formic acid
Fluorine
Hydrogen iodide
Iodine
Magenta
Malachite green
Methyl violet
Methylene blue
Methylene yellow
Potassium bichromate
Potassium bromide
Potassium chloride
Potassium fluoride
Potassium iodide
Potassium permanganate
Potassium persulphate
Pyronin
Rhodamine
Silver chromate
Silver ferricyanide
Silver ferrocyanide
Silver iodide
Sodium bisulphite
Thionin blue
Xylene red

Inflammability Reducers in Photographic Films

Aluminum acetate
Aluminum bromide
Aluminum chloride
Aluminum hydroxide
Aluminum ricinoleate
Aluminum silicate
Aluminum sulphate
Aluminum sulphoricinoleate
Alums
Ammonium bromide
Ammonium carbamate
Ammonium carbonate
Ammonium chloride
Ammonium nitrate
Ammonium oxalate
Ammonium phosphate
Ammonium sulphate
Ammonium-magnesium phosphate
Amyl borate
Amyl silicate
Antimony chloride
Barium chloride
Borated benzene
Borates
Boric acid
Butyl borate
Calcium arsenate
Calcium chloride
Calcium oxalate
Calcium phosphate
Calcium sulphate
Cetyl palmitate
Cobalt chloride
Cobalt phosphate
Copper caseinate
Diethyl disilicate
Diethyl oxalate
Diethyl silicate
Disilicic esters
Ethyl borate
Ethyl monosilicate
Ethyl silicate
Glyceryl silicates
Hexaethyl disilicate
Magnesium borate
Magnesium chloride
Magnesium oleate
Magnesium oxide
Magnesium phosphate
Magnesium resinate
Magnesium ricinoleate
Magnesium sulphoricinoleate
Methyl borate
Methyl silicate
Naphthyl carbonate
Naphthyl phosphate
Oxalic acid esters
Propyl borate
Propyl silicate
Propylenechlohydrin
Resinates
Resinoleates
Rosin
Silica
Silicic esters
Sodium bicarbonate
Sodium carbonate
Sodium oleate
Sodium palmitate
Sodium silicate
Sodium stearate
Sodium-ammonium phosphate
Tetraethyl silicate
Trichlorophenol
Trinaphthyl phosphate
Triphenyl borate
Triphenyl phosphate
Urea
Zinc acetate
Zinc caseinate
Zinc chloride
Zinc ricinoleate
Zinc sulphoricinoleate

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(To be continued)

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Drugs, Fine Chemicals

Sinking of Icelandic Trawlers Cuts Codliver Oil Production and Prices Rise—Rising Quicksilver Output Brings Price Easing—Blackstrap Molasses Advanced

Vitamins and vitamin-bearing oils were prominent features in the market for drugs and fine chemicals last week. Codliver oil and shark liver oil reflected tightening in the replacement markets. Quicksilver turned easier as production started to climb on the Pacific Coast. The article was reported undergoing close scrutiny by Federal authority concerned with price stabilization. Alcohol tended to strengthen as blackstrap molasses sold at an advance. Tartar Products were uniformly strong and seemed likely to go higher. Monoamylamine, monobutylamine, and monoethylamine developed steadiness at the recent price reduction. Vitamin B_1, or thiamine hydrochloride was reduced late Thursday.

Cables from Iceland showed prices there to be even and, in some cases, higher than spot prices for codliver oil. Trawlers have been sunk by the German marauders, cutting production until it is now running behind that a year ago. Cheap oil disappeared from the spot. Minimum prices were up sharply, while values most generally quoted recently were advanced more conservatively. Scarcity has turned some companies to the production of the oleo vitamin A and D, the new product admitted to the pharmacopeia to compensate for the shortage of codliver oil. Two makers announced production last week.

Quicksiiver production is rising on the Pacific Coast, bringing easier prices on April deliveries and easing quotations that are being watched closely by Federal authority. Mercurials held firm.

Price Changes

Advanced

Cocoa butter, 1c. per lb.
Codliver oil, $12 per bbl.
Molasses, blackstrap, ½c. per gal.

Reduced

Thiamine hydrochloride, 15c. per gram.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
209.1	207.9	207.3	199.3

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Acetylsalicylic.—More active demand revives. Very firm.

Acid, Boric.—Firm. Excellent consumption. Deliveries prompt.

Acid, Citric.—Stable, normally active market. No change likely.

Acid, Ascorbic.—Priced $2 to $2.25 per ounce as to quantity. Active. Firm.

Acid, Fumaric.—Consumption running to good totals. Steady.

Acid, Nicotinic.—New production talked about. Market bare of prompt delivery goods to fill new orders. Contracts being met.

Alcohol.—Demand excellent. Consumption curve tends to rise. No surplus supplies. Raw material showing constantly increasing strength. Higher last week. Price tendency upward.

Aloin.—Broad, general demand at full market prices.

Ammonia Benzoate.—Sustained demand. Outlook favors rising consumption. Little competition.

Atropine.—Stocks reduced. Production curtailed. Strong upward tendency.

Bismuth Metal and Salts.—Consumption excellent. No accummulation of metal stocks. Prices have strong undertone.

Borax.—Business excellent. Contract tenders taken promptly. Production coping with consuming requirements.

Cadmium.—Metal and derivatives strong. No competition. Demand sustained at high levels.

Caffeine.—Talk of production from native plant. Known as cassina, a variety of holly. Entirely in embryonic stage. Open market stocks command upwards of $8.50 and $9 per pound when available. Production in Brazil may be offered here. Believed to be government-fostered project there.

Castor Oil.—Strong to stronger. Raw material strength pronounced. Beans quoted $58 per long ton. Oil in excellent demand.

CHICAGO, April 9.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Chloral Hydrate.—Sustained movement. Prices fully stable.

Chloroform.—More demand for technical. U.S.P. call normal.

Cocoa Butter.—Higher again. Market 24c. per pound, spot. Deliveries mainly from secondhands. Producers sold ahead.

Codliver Oil.—Iceland higher. Fishing begun. Latest reports indicate production behind last year. Britain believed to have bought half of season's total production. Trawlers reported sunk. All cheap spot oil withdrawn or sold. Market $79 to $85 per barrel as to seller and quantity. Substitutes being pushed vigorously. Known as oleo vitamin A and D, U.S.P.

Collodion.—Moving in normal volume. Very firm undertones.

Corn Syrup. — Undertones show strength. Demand excellent.

Creosote.—New production beechwood creosote not unlikely. No spot price for some time past.

Ephedrine.—Showing some stability. In fair request.

Epsom Salt.—Steady consumption at full price. Ample stocks.

Eserine.—Stocks have poor distribution. Most holdings small.

Ether.—Sustained consumption, all varieties. Firm prices.

Formaldehyde. — Demand running ahead of supply. Deliveries behind. Premiums rule on resale material.

Fish Liver Oils.—Lack of stocks low potency shark liver oil eliminates price range. High potency oil strong at 10c. per million vitamin units. Halibut firm at $40.

SAN FRANCISCO, April 9.—Low po-

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Drug Mfrs. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.
Toilet Goods Ass'n, June 9-11, New York.
Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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Crystals and Powder

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Crystals

CALCIUM SALICYLATE
Powder

LITHIUM SALICYLATE N.F.
Powder

MAGNESIUM SALICYLATE
Powder

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Granular

STRONTIUM SALICYLATE N.F.
Powder

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tency A still the most actively sought material. Higher potency needed, too. Market firm. When new crop California shark livers appear, offerings of higher potency will be more frequent.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 U.S.P. units vitamin A per gram, 8c. per million units, f.o.b. Pacific Coast, in drums; medium potency, 50,000 to 80,000 units, 6½c.; 25,000 to 50,000 units, 5c. to 5½c.; lower potency, upwards of 10,000 units, 4¾c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 60c. per million units.

Glycerin. — Excellent movement. Very firm. Little competition. Sellers keep control of market, speculation virtually impossible.

CHICAGO, April 9.—Glycerin prices are:—Chemically, pure, 12¼c. per pound, tanks; 12½c., drums; car lots, 13c.; drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c. drums, car lots; 12½c., drums, less than car lots.

Hyoscine.—In low supply. Limited stocks poorly distributed. Prices high and strong.

Iodine and Iodides.—Firm and well stabilized. Demand steady at good volume.

Menthol. — Market slow and dull. Prices steady. Consumption light.

Mercurials.—Firm under normal activity. Raw material prices hold.

Methanol. — Excellent movement. Ready market for all production. Firm price position. Monthly statistics production of crude and synthetic methanol, almost the entire output of commodities in the United States, released by Director William L. Austin, Bureau of Census, Department of Commerce, follow:—

Production

	Gallons			
	1941		1940	
	Synthetic.	*Crude.	Synthetic.	*Crude.
Jan..	3,420,013	449,529	3,452,677	457,271
Feb..	3,170,636	435,079	3,782,402	446,815
Tot.	6,590,649	884,608	7,235,079	904,086

* Refined equivalent would be approximately 85 percent of the crude production.

Wood Carbonized

	Cords	
	1941.	1940.
January	47,502	44,323
February	43,401	44,927
Totals	90,903	89,250

Methyl Acetone. — Firm. Selling freely. Consumption needs gain.

Molasses.—Blackstrap higher. Market 8c. per pound, tanks, North Atlantic ports; 7½c. tanks, Gulf ports. End of rise not in sight.

Monoamylamine.—Steady at late decline.

Monobutylamine.—No further decline. Steady undertones.

Monoethylamine.—Prices recede no further. Apparently steady.

Podophyllin. — Raw material costs this year may force higher podophyllin market. Raw material collection season at hand.

Potash Bromide.—Demand at seasonal volume. Steady market.

Potash Citrate.—Firm, stable prices. Demand satisfactory.

Potash Acetate.—U.S.P. firm under steady demand. Fair supply.

Potash Guaiacolsulphonate. — Very firm despite light demand.

Quicksilver.—Spot, $184 to $185 per flask. Delivery within one week, $183. April shipment from Pacific Coast, $180. Production up. Market easing. Price developments watched by Federal authority. February consumption up in Bureau of Mines report. Established new monthly high rate. Statistics follow:—

	Flasks	
	Production.	Consumption.
1940—July	3,200	2,200
August	3,500	2,100
September	3,600	2,100
October	3,600	2,700
November	3,400	2,900
December	3,700	2,100
1941—January	3,100	2,900
February	2,900	4,700

Consumer-dealer stocks, February 28, 12,100 flasks. Producers' stocks, 303. Exports, February, 347 flasks.

SAN FRANCISCO, April 9.—Trade here disagrees with Washington comment to effect that quicksilver prices should not rise further. Sellers here look for higher prices unless the Federal government releases some of its accumulated stocks to manufacturing industries. Government taking delivery of substantial quantity metal every month. Production here insufficient to supply consuming buyers and government. Current quotations, spot, $180 per flask. No sales reported this week.

Quinine. — Consumption reaches good volume. Fully firm market based on world situation. Ample reserves provided here. Production

Owing to the acute shortage of

MEDICINAL COD LIVER OIL

the Board of Trustees of the U.S. Pharmacopœia has authorized the immediate introduction of a new product for human consumption, known as

OLEOVITAMIN A and D, U.S.P.

containing the same potency as cod liver oil, namely

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We are now manufacturing and supplying OLEOVITAMIN A and D, U.S.P., in any quantity, at much lower prices than regular cod liver oil. This oil is biologically assayed in our own New York laboratory according to U.S.P. methods.

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Processors & Fortifiers of Vitamin Bearing Oils • Medicinal & Poultry Cod Liver Oils • Established 1922

from South American bark reported priced at full market limit.

Riboflavin. — Active demand. Consumption curve upward. Steady.

Rochelle Salt.—Strong, but lacking price change.

Seidlitz Mixture. — Tending still higher.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅝	23½
Monday	24	34⅝	23½
Tuesday	24	34⅝	23½
Wednesday	24	34⅝	23½
Thursday	24	34⅝	23½
Friday	24	34⅝	23½

Thiamine Hydrochloride.—Increased output has reduced production costs. Makers reduced prices 15c. Base price now 65c. per gram. Ample stocks available. Shipments prompt from Rahway, N. J., New York, Philadelphia, and St. Louis warehouses.

National Can Elects

The National Can Corporation will succeed McKeesport Tin Plate Corporation in accordance with the vote of stockholders at the annual meeting held in Pittsburgh, March 25. At the subsequent directors' meeting held the same day, G. F. Doriot was re-elected president of the corporation. The new National Can Corporation will have as vice-presidents the following officers who were also elected at the directors' meeting—E. D. Murphy, who has for many years been in charge of general line sales, is to be vice-president and general sales manager of the company.

S. Carle Cooling, who has been associated with this firm and its predecessor companies since 1915 and for the past several years was sales manager of the sanitary can division, was elected vice-president and directing manager of sanitary can sales. A. G. Hopkins, formerly chief engineer, was elected vice-president in charge of manufacturing and engineering.

DCAT Questionnaire Seeks Draft Data

An effort to ascertain the actual problems confronting the drug, chemical and allied trades as the result of the draft, with a view to placing the information at the disposal of the Selective Service Board in Washington, is being made by the Drug, Chemical and Allied Section of the New York Board of Trade, according to John C. Ostrom, secretary. The service board may distribute the information secured to local draft boards throughout the country.

Members of the section have been sent a questionnaire drawn up by a special committee after conference with the Selective Service Board and the Office of Production Management, to make cetrain that the questionnaire covers all pertinent points.

Sharp & Dohme Adds Lyons, Burbidge to Staff

Sharp & Dohme, pharmaceutical manufacturer, Philadelphia, has added Hubert W. Lyons and Dr. Earl L. Burbidge to its staff. Mr. Lyons has been appointed to the engineering and maintenance division and Dr. Earl L. Burbidge to the medical research division.

Mr. Lyons will supervise and correlate the activities of the electrical, power, air conditioning and mechanical departments. He is a graduate in electrical engineering from the University of Michigan. Dr. Burbidge received his degree in medicine at the Washington University in St. Louis, and has been engaged in post-graduate studies in pathology since the completion of his academic work.

E.D. McDaniel Joins Vick

E. D. McDaniel, who has been vice-president in charge of sales of White Laboratories, Newark, N. J., has become associated with the Vick Chemical Company, New York, as manager of its newly developing vitamin department. He is also president of Vitamins Plus, Inc., an affiliate of the Vick company.

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Oleovitamin Offered By Gunning & Gunning

Vitaminized oils, with an odor and flavor like that of pure codliver oil, have been developed by Gunning & Gunning, this city. Various grades of the oil, all biologically standardized in the company's own laboratory to insure correspondence in vitamin potency with the standards of the United States Pharmacopeia and the Association of Official Agricultural Chemists, are available for both medicinal and animal feeding purposes.

Formulated on an edible vegetable oil base, Nelson A. Gunning, head of the company, explained that the oil is then incorporated with vitamin A and D fish oils in order to reproduce a specified odor and flavor. Mr. Gunning also announced that his company is now manufacturing oleovitamin A and D, which was recently defined by the United States Pharmacopeia as a product consisting of fish liver oils and vegetable oils, containing not less than 850, and not more than 1,100 U.S.P. units of vitamin A, and not less than 85, nor more than 110 units of vitamin D, per gram.

Test Rats at Gunning & Gunning's

Founded in 1922 as an importer and repacker of medicinal codliver oil, Gunning & Gunning subsequently entered the refining and blending of codliver oils and processing of high vitamin A and D potency fish liver oils. The plant of the company now has a weekly capacity of 60,000 gallons. The company has long marketed its medicinal and animal feeding grades of codliver oil under the trademark, "Vitest."

A.M.A. Appeals Conviction as 'Trust'

—Continued from page 3

mitting such acts, the corporations themselves could not be guilty. Counsel for the defense point out that in a New York case, People v. Safeway Coal Company, decided in 1934, the Appelate Division of the Supreme Court of New York held that if there is no culpability in the individuals the corporation cannot be found guilty.

Should the motions for arrest of judgment and to set aside the verdict be denied, it was pointed out, it would still be possible for the court to grant the motion for a new trial, leaving the way clear for the government either to retry or to nolle prosse the action. A.M.A. spokesmen declared today that if all three of the motions are denied, the case will be taken to the United States Court of Appeals on errors committed during the first trial. It would also be possible, it was explained, to apply again to the Supreme Court of the United States for a writ of certiorari asking for a decision as to whether the practice of medicine is a trade under the Sherman act. A similar request was refused by the supreme court last year, but it is felt that such a writ might be granted now since the entire case has been tried out.

Vitamins Role in Foodstuffs Described in Merck Booklet

The nutritional role of the vitamins is discussed in a new booklet published by Merck & Co. Compiled in answer to numerous requests received from food manufacturers, the volume in an interesting, practical way describes the diet of man, and the place of vitamins in the diet. Copies of the booklet may be secured by addressing Merck & Co., Rahway, N. J., mentioning the REPORTER.

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MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

N.A.M. Recommends Conservative Stockpiles

—Continued from page 3

respect to supplies of materials for defense needs.

Walter B. Weisenburger, executive vice-president of the manufacturers' association, said that its committee's pronouncement and Mr. Bigger's criticism were merely coincidental; although both parties might have been motivated by knowledge of the same facts.

The program presented by the N. A. M. committee contained recommendations of the following import:—

1. Both government and industry should order material and equipment as soon as they know they are going to be needed, but, on the other hand, should avoid accumulating goods and equipment far in advance of the time they are actually needed.

2. Provision be made by which manufacturers can obtain sufficient supplies of restricted materials to facilitate the making of trial runs by those contemplating bids on defense work. This should greatly stimulate subcontracting.

3. In order to reduce the necessity for transportation priorities, the government should more promptly issue bills of lading for material and equipment.

4. Where considerable time is required in the fabrication of essential parts which must be available when defense goods are contracted for, arrangements should be made under which companies which may reasonably expect to be given defense contracts for these goods, should be able to obtain in advance the basic raw materials needed for such parts fabrication.

5. Both industry and the government should carefully consider the feasibility of establishing a method under which any surplus stock of particular strategic materials and equipment may be made available to those who need them for current production.

6. The government should advise industry as to the likelihood of materials which are being contemplated as substitutes for allocated strategic raw materials, themselves being subsequently placed upon the priority list.

7. Industrial firms be urged to exchange information on the use of substitute materials for allocated strategic materials and equipment.

McK.&R. Final Date For Accepting Plan Set

Federal Judge Alfred C. Coxe has set May 7 as the date by which the creditors and stockholders of McKesson & Robbins, this city, shall accept or reject the reorganization plan submitted to them by William J. Wardall, trustee. The same date was set for the determination of the ownership of claims and interests.

Although the court has set the date, J. H. Husted, counsel for the trustee, states that the period for acceptance or rejection may be extended should Judge Coxe deem it necessary. Such extentions, according to Mr. Husted, are common in reorganization proceedings.

F.T.C. Order Hits Glucose By-Product Price List

OPD Washington Bureau
April 10, 1941

The Federal Trade Commission ordered the Hubinger Company, Keokuk, Iowa, to cease and desist from price discriminations in violation of the Robinson-Patman act in the sale of glucose or corn syrup unmixed, one of the principal raw materials used in making candy, and in the sale of gluten feed, a corn syrup by-product.

Between July 25, 1937, and the present time, according to commission findings, the respondent sold corn syrup in certain cities other than Chicago at higher delivered prices per hundredweight than it sold such syrup in containers of like size and type to Chicago purchasers.

Soybean Standards Conferences Set

OPD Washington Bureau
April 10, 1941

Public conferences on the proposed changes in the United States standards for soybeans will be held early in May at four points in the principal producing and marketing areas, C. W. Kitchen, chief of the Agricultural Marketing Service, announced today.

The first of the conferences will be held May 5 at 10 a.m. at Ohio State University, Columbus, Ohio. Other meetings beginning at 2 p.m. will be held May 6 in the libray of the Board of Trade, Indianapolis, Ind.; May 7 in the Decatur Club Building, 100 W. Prairie street, Decatur, Ill.; and May 9 at the Chamber of Commerce, Cedar Rapids, Iowa.

Antitrust Probe Fund Increased $909,000

OPD Washington Bureau
April 10, 1941

An increase of $909,000 for enforcement of the antitrust laws during the fiscal year 1942 over the current year's funds is carried in the Department of Justice Appropriation bill, passed last week by the house and now pending before the senate appropriations committee. While budget estimates for the antitrust division amounted to only $1,575,000, this amount was increased by the house to $2,325,000.

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Industrial Alcohol Tax Differential Furthered

—Contnued from page 5

liminary statement regarding H. R. 3383, appearing in the Congressional Record of April 2. It is noted that many inquiries have been received respecting the bill and that others are anticipated. This would indicate a healthy interest in the proposed legislation, and it is hoped that such interest can be preserved and stimulated by a proper understanding of its objectives by all concerned, as contemplated by your remarks.

Referring to my previous letter of March 20, 1941, receipt of which was acknowledged by your secretary under date of the 27th, I cannot resist the impulse to again emphasize the importance of providing for the desired relief under the friendly auspices of subchapter C of the internal revenue code, formerly title III of the national prohibition act, relating to "Industrial Alcohol." All users of "industrial alcohol," including those intended to be served by your bill, understand the purposes and objects of such subchapter and, if the pending measure could be made to reflect the policies established thereby, favorable consideration would be greatly enhanced. It is not believed this can be accomplished by merely amending the taxing provision contained in section 2800 (a) (1) of the internal revenue code, as supplemented and modified by the "Defense-Tax" rates imposed by the act of June 25, 1940. The reasons for reducing the tax should, if possible, appear in the statute and not be left open to argument and explanation. This might be brought about, as previously suggested, by extending the privileges allowed under section 3108 I.R.C., and making the provisions of subchapter C applicable to the use of the alcohol so withdrawn. It is also noted that the committee on ways and means has requested a report and recommendations on the bill from the Treasury Department and I would be surprised if the department did not refer in its report to the difficulties which would be encountered in collecting the reduced tax and preserving the distinction and conditions under which the reduction of tax is allowed.

Unfortunately, the term, "alcohol," has been carelessly and loosely applied to all kinds of liquor which, concededly, may be regarded as luxuries. Possessing the "kick" which, as claimed, gives to liquors their intoxicating or "luxurious" character, alcohol has been picked upon as the thing to be taxed (Sec. 2809 (b) (1) I.R.C.), the amount of tax being determined and based on its strength or proof (Sec. 2809 (c) I.R.C.). There was no distinction between the beverage and non-beverage use of spirits under internal revenue laws prior to the revenue act of 1918 (February 24, 1919) under which a tax of $2.20 was imposed on all spirits withdrawn from bond, but "if withdrawn for beverage purposes or for use in the manufacture or production of any article used or intended for use as a beverage," a tax of $6.40 was imposed. Under the revenue act of 1921 (November 23, 1921), enacted during prohibition, a provision was added imposing a "penalty" tax of $4.20 on all spirits which had been taxpaid "at the nonbeverage rate of $2.20" and which were "diverted to beverage purposes or for use in the manufacture or production of any article used or intended for use as a beverage . . . to be paid by the person responsible for such diversion." Under the revenue act of 1926, a similar "penalty" tax was imposed on spirits diverted to beverage purposes in the sum of $6.40, also to be paid by the person responsible for the diversion, but credit was allowed for the "Basic" tax previously paid on such spirits, and such "penalty" tax on spirits "diverted to beverage purposes" continued through the period of prohibition and until repealed by the liquor taxing act of 1934 (January 11, 1934). There was ample justification for the establishment of a differential rate of tax on spirits used for nonbeverage purposes and spirits "diverted to beverage purposes" during the period of prohibition for then the use of all spirits for beverage purposes was prohibited. The dangers to which industrial alcohol would be subjected during prohibition were, however, foreseen and accordingly provision was made for its protection in title III of the national prohibition act, effective October 28, 1919, the wisdom of which, even at this late date, cannot be questioned.

Little Revenue Involved

The repeal of the tax on "nonbeverage alcohol," which I prefer to call "industrial alcohol," will not result in any substantial loss of revenue to the Government. The use of alcohol "in the manufacture, rectifying or blending of alcoholic beverages" is regarded as a "non-industrial" or beverage use of alcohol by regulations issued under the Federal Alcohol Administration act (Reg. No. 2, Sec. 3 (b)). Accepting this construction, the following figures (proof gallons) relating to tax-paid alcohol may be pertinent and interesting:—

Period.	Total.	Dumped for rectification.	Other purposes.
Fiscal year 1940	24,344,306	17,475,958	6,868,348
July 1, 1940, to Feb. 28, 1941	16,443,069	13,767,852	2,675,217
July 1, 1939, to Feb. 28, 1941	41,787,375	31,243,810	10,543,565

However, it is also provided in the above regulations (Sec. 2 (3)) that the use of distilled spirits, including alcohol, in the manufacture of medicinal, pharmaceutical, or antiseptic products, including prescriptions compounded by retail druggists, and in the manufacture of flavoring extracts, syrups, or food products, provided "such products are unfit for beverage use," is regarded as an "industrial" or nonbeverage use.

Although there is no intention to repeal or reduce the rectification tax (Sec. 2900 (a) (5) I.R.C.) on alcohol when such alcohol is rectified, attention should also be called to the fact that under regulations (No. 15) issued by the Commissioner of Internal Revenue, relating to the "Rectification of Spirits" (Sec. 5), the following products are not subject to the rectification tax when "unfit for beverage purposes," viz., U.S.P., N.F. and A.I.H. preparations; patented, patent and proprietary medicines; flavoring extracts, syrups, concentrates, etc.

"Industrial alcohol" is a necessity and not in any sense a luxury. The "alcohol" used "industrially" in the manufacture of "medicinal preparations, flavoring extracts, flavors," and for many "other nonbeverage purposes," is high-proof alcohol, produced at industrial alcohol plants, for distribution and use under the provisions of subchapter C. During the entire period of prohibition, manufacturers of "medicinal preparations, flavoring extracts, flavors," etc., were required to procure and use alcohol under permits issued pursuant to title II of the national prohibition act relating to "Intoxicating Beverages." Although compelled to obtain the alcohol taxpaid, because the law did not allow them to procure it taxfree, permits could just as well have been issued under title III of said act relating to "Industrial Alcohol," and had this been done, the status of "Industrial Alcohol Users" would have served them well today. Users of this essential chemical raw material do not seek to procure it because of its "kick" and they should not be subjected to a tax which, as you have well stated, was never intended to apply but which, in any event, should not now be found necessary. In this connection, care must, of course, be taken to see that if and when the tax is repealed or reduced it is not reimposed in other directions.

I should like to hear from you, and remain [etc.].

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Botanical Drugs, Spices, and Gums

Labor Scarce in Domestic Botanical Drug Collection Areas —Industry Absorbing Former Field Workers—Collection to Show Rising Costs — All Prices Firm

Developments in the market for botanical drugs had little that gave a new aspect to affairs during the past week. Basically and fundamentally, it was a sellers' market in most respects and a fair amount of business was done through the period under review.

Botanical drug dealers were scanning the domestic primary markets with a scrutiny arguing for some concern regarding collections during the months immediately ahead. The fact was that numerous enterprises are bidding for southern labor and the labor affected is definitely that which in times past made much of its livelihood collecting botanical drugs. Factories in some instances are paying workers' transport expense over a radius of fifty miles from the plant. Army forts and camps are sopping up surplus labor at all points, also. It seems definitely certain that collection will center most readily on items carrying a high return to the reduced number of field workers. The entire situation is fraught with possibilities, the most clearly defined of which is that prices to consumers are not likely to become cheaper.

Balsams

Copaiba.—Firmer undertones. More demand. Well held prices.

Tolu.—Sold at 88c. to 90c. per pound. Showing more strength.

Barks

Black Haw.—Some doubt concerning probable production. Firmer.

Cascara Sagrada.—Everything suggests era of high prices. Collection probably smaller. Cost of collection higher.

Lemon Peel.—Stronger and higher. Market 20c. to 25c. per pound. Replacement virtually impossible from normal sources.

Sassafras.—Labor question increasingly important. Collection problematical as to size.

Wild Cherry.—Labor question vexing in primary market. Other occupations supplanting drug collection.

Beans

Tonka.—Firm. Shipping space from Brazil increasingly scarce. Steamer service reduced. Prices show strength.

Vanilla.—No new angles. Strong, understocked market. High prices influences demand substantially. No possible chance for providing normal reserves on spot. Britain would have to permit beans to move through blockade of French Islands if stocks were to increase much.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	...	485
Belladonna	19	19
Caraway	...	174
Cardamom (cases)	...	1,178
Celery	35	61
Coriander	12,446	22,903
Cumin	2,989	5,640
Digitalis leaves (cases)	...	...
Dill	3,118	11,660
Fennel	136	982
Henbane leaves (bales)	...	20
Mustard	...	3,809
Poppy	136	1,047
Sage leaves (bales)	...	2,946
Sesame	340	596
Stramonium	...	...
Thyme	332	366

Price Changes

Advanced

Caraway seed, 2c. per lb.
Celery seed, French, 6c. per lb.
Indian, 1c. per lb.
Cumin seed, Persian, ¼c. per lb.
Indian, ¼c. per lb.
Fenugreek seed, 1c. per lb.
Fleaseed, Indian, 1c. per lb.
Ginger, Cochin, 1c. per lb.
Lemon peel, 6c. per lb.
Lavender flowers, ordinary, 10c. per lb.
medium, 10c. per lb.
select, 10c. per lb.
Licorice root, 1c. per lb.
Mustard seed, Calif., brown, ¼c. per lb.
Danish yellow, 2½c. per lb.
Nux vomica, 2c. per lb.
Sage, Dalmatian, 10c. per lb.
Sandarac gum, 2½c. per lb.
Sarsaparilla root, Mexican, 1c. per lb.
Tolu balsam, 3c. per lb.
Thyme, Spanish, 1¼c. per lb.

Reduced

Clove, Madagascar, 1c. per lb.
Zanzabar, ½c. per lb.
Dill seed, ¼c. per lb.
Paprika, Bulgarian, 1c. per lb.
Poppy seed, Dutch, 1c. per lb.
Turkish, 1c. per lb.
Senega root, 5c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
252.1	**252.5**	**250.6**	**195.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Hawthorn.—Called for seldom. Very firm in price.

Juniper.—Effort toward substantial domestic collection probably widespread this year. Foreign sources entirely cut off.

Flowers

Arnica.—Purely nominal now.

Chamomile.—Hungarian flowers still in fair reserve. Practically no Belgian left.

Lavender.—Higher. Ordinary, 60c. to 65c. per pound; medium, 80c. to 85c.; select, 90c. to 95c. Stocks moderate.

Linden.—Price held despite recent arrival. Very firm.

Rose.—Steady to firm. Pale flowers in fair reserve.

Saffron.—Spanish firm. Mexican steady. Neither in much demand.

Gums

Arabic.—Stronger, potentially. Some advance spot prices. Others tend so to do. Actual market movement dependent on ships bringing gum from large stocks at Port Sudan.

Benzoin. — Siam gum strongly placed. Sumatra showing strength

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.
Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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✓ CALAMUS ROOT
✓ CUDBEAR
✓ CINCHONA BARK
✓ DAMIANA Select
✓ DIGITALIS (110% Active)
✓ DOGGRASS CUT
✓ ERGOT (140% Active)
✓ EUPHORBIA PIL.
✓ FENNEL SEED
✓ GALANGAL ROOT
✓ GINGER
✓ GUAIAC GUM Glassy
✓ HAWTHORNE BERRIES
✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
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✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
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✓ QUINCE SEED
✓ RHUBARB ROOT
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✓ STRAMONIUM
✓ UVA URSI
✓ WILD CHERRY BARK
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again. Fair demand. Shipments slow from source.

Guaiac.—Call irregular. Fairly steady prices.

Myrrh.—Firm. Not much activity.

Sandarac.—Sold at 52½c. per pound. Tendency to make 55c. lowest noted.

Tragacanth.—Prices firm. No shading. Movement of primary market hinges on development Near East situation.

Herbs and Leaves

Belladonna.—No weakness. No surplus. No substantial stock increase likely.

Buchu.—May be difficult to move next crop from South Africa.

Laurel.—Some Portuguese appears spot at 32½c. to 34c. per pound. Greek 35c. to 37c.

Sage.—Dalmatian garden item available at nominal price of $1.50 per pound, subject to confirmation. No whole stemless offered.

Stramonium.—Collection of jimson being encouraged by present spot market at 48c. to 52c. per pound to consumers.

Miscellaneous

Balm of Gilead Buds.—Spring crop in making. Dried buds firm.

Guarana.—Some talk of this item as caffeine source. Very firm.

Kola Nuts.—Growing in importance because of caffeine shortage.

Nux Vomica.—Transport costs grow. Spot buttons, 7c. to 8c. per pound; powder, 11c. to 12c. Very firm undertone.

St. John's Bread.—Supply still covering all needs. Very steady market.

Tamarinds.—Firm. Routine activity. No competition.

Roots

Berberis.—Some talk about lessened collection this year. Firm.

Dandelion.—Arrival sixty-two bales did not break spot market Held very steady.

Gentian.—Firmer. Some upward tendency. Depends on consumption.

Ipecac.—Firm. Transport cost from primary markets rising. No unsettlement here.

Licorice.—Cuttings, 12c. to 13c. per pound. Powder, 15c. to 16c. Bundles gaining strength.

Sarsaparilla.—Mexican root up to 17c. to 18c. per pound.

Senega.—Shaded to 90c. to 95c. per pound as season lags.

Seeds

Caraway.—Higher at 65c. to 67c. per pound.

Celery.—Higher. French, 70c. to 72c. per pound. Indian, 49c. to 50c.

Cumin.—Persian fraction higher at 16¾c. to 17¼c. per pound. Indian, 17c. to 17½c.

Dill.—Eased to 7¼c. to 7½c. per pound under competition.

Fenugreek.—Two tons California seed bought. More still available. Spot price up to 5½c. to 6c. per pound.

Flea.—Indian higher at 10c. to 11c. per pound. Transport slower and costlier.

Mustard.—California brown higher at 15¾c. to 16¼c. per pound. Danish yellow, 26½c. to 27c.

Poppy.—Substantial quantity Turkish seed about due. Spot price eases to 32½c. to 33c. Dutch quoted 36c. to 37c.

Spices

Clove.—Shaded. Madagascar, 21c. to 22c. per pound. Zanibar, 20½c. to 21c. Basically firm.

Ginger.—Lemon Cochin held for 11c. to 11½c. per pound. New crop Jamaica finding favor. Jamaica root duty free in future, under paragraph 1768, tariff act of 1930.

Mace.—Showing full firmness prevailing in most Far East items.

Paprika.—Bulgarian shaded to 27½c. to 28c. per pound. Portuguese quiet but steady. Spanish firm. Algerian quiet.

Pepper.—Black Lampong shaded to 6.40c. to 6.70c. per pound. White and red peppers firm. Fair, jobbing spot demand from grinders.

Trading in black pepper futures on the New York Produce Exchange from April 5 to April 10, inclusive, comprised 169 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
May	5.96	5.96	6.20
July	6.30	6.00	6.29
September	6.40	6.08	6.30
December	6.48	6.17	6.46

Pimento.—Jamaica strong. Scarce Mexican in moderate supply. Jamaican, 35c. to 37c. per pound. Mexican, spot or prompt, 13c. to 13½c.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

South America Promising

Albert Mevi, vice-president and general manager of the Neuberg Chemical Corporation, this city, has just returned from a 17,000-mile trade-survey trip to principal South American chemical markets. Mr. Mevi disclosed that the Neuberg Chemical Corporation is expanding its facilities to provide a broader technical and marketing service for its South American customers and for American companies desiring to expand their South American export business.

Albert Mevi

United Drug, Inc., Boston, has purchased a site in Pittsburgh on which will be erected a $250,000 warehouse.

Huisking & Co. Offering New Vitamin Oils

Two products, both known as oleovitamin A and D but with slightly different characteristics, have been placed on the market by Charles L. Huisking & Co., this city, in an effort to provide a satisfactory substitute for codliver oil, oleovitamin A and D was authorized recently in a United States Pharmacopeia monograph.

One of the Huisking products is odorless and tasteless. The other has a flavor similar to that of codliver oil. Both utilize an authorized base and both are fortified with natural fish liver vitamins A and D.

Laboratory Water Still Improved by Stokes Co.

An improved model, three gallon capacity, electrically-heated water still with complete automatic controls is announced by the **F. J. Stokes Machine Company, Philadelphia.** The automatic controls start and stop the still and maintain a fixed level of water in a storage tank also, after each cycle, automatically flush out impurities from the boiling chamber. The still has a heavy cast boiling chamber and condenser housing, for added strength and durability, and is so designed that formations of scale may readily and thoroughly be cleaned. The condenser tubes are of seamless brass, heavily tinned. Other parts coming into contact with the distillate are also heavily tinned to assure against metallic contamination.

Standard Brands Honors Friedman, Burkart, Bird

Three employees of Standard Brands, Inc., this city, were presented gold medals last week for fifty years' continuous service with the company. They were Eugene Friedman, connected with the firm's Tartar Chemical branch; Raymond Burkart, of the Royal Manufacturing branch, and Herbert Bird, an expert on analysis and an authority on compound baking powders. The medals were presented by Thomas L. Smith, president of the company, at a ceremony attended by about 500 persons.

Lehn & Fink, Inc., Bloomfield, N. J., has filed papers of incorporation under the laws of Delaware with capital for taxation of $2,000,000 as a wholly-owned subsidiary of the Lehn & Fink Products Company.

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Essential Oils, Aromatic Chemicals

Research Laboratories Seek Substitutes for Many Natural Essential Oils—Market Active—Prices Continue to Rise —Stocks Shrinking—Shipping Space Gets Scarcer

Manufacturers and dealers reported excellent activity in the market for essential oils and aromatic chemicals last week. Price tendencies were upward in keeping with the sustained and progressive decrease in stocks of many natural oils and the expanding consumption of substitute materials. Never in the past have research laboratories been so active in seeking satisfactory substitutes for oils either totally unobtainable or available only at prohibitive prices. To a very substantial extent, it was a sellers' market and buyers pressed strongly for larger quantities of prompt delivery materials.

Reports concerning shipping conditions were certainly no improvement over those current for a long time. Steamers were getting fewer and cargo space more and more was being devoted to merchandise directly connected with the prosecution of the war in Europe, or with the defense activities in the United States. Far eastern products, especially those of Dutch origin, were clearly marked for strength.

The arrival of peppermint, sage, coriander, and caraway oils in the previous week failed utterly to produce adverse price reactions on spot. The market showed marked ability to absorb the importations and to look with expectency to further arrivals.

Price Changes

Advanced

Almond, sweet, 5c. per lb.
Bergamot, $2 per lb.
Bois de rose, 10c. per lb.
Caraway, 50c. per lb.
Cassia, 10c. per lb.
Citronella, Java, 4c. per lb.
Eucalyptus, 3c. per lb.
Ginger, 10c. per lb.
Rue, $1 per lb.
Sweet birch, Northern, 50c. per lb.
Southern, 5c. per lb.

Reduced

Anise, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
196.5	190.9	175.4	103.3

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Bitter natural oil practcially unobtainable. Strictly nominal market. Sweet almond sold at $1.55 per pound for genuine French oil.

Angelica.—Very little obtainable. None can be imported.

Anise.—Quoted 85c. to 90c. per pound. Strong tone.

Bay.—Dull and easy. Prices competitive.

Bergamot.—Natural oil sold at $22 per pound. Price practically prohibitive. Artificial item supplying most wants.

Birchtar.—Strong. Tending higher. Moderate call.

Bois De Rose.—Sold at $2.10 to $2.20 per pound. Fair-sized lots. Firm at source. Shipment slow.

Cananga.—Stocks small. Replacement difficult. Definitely slow and uncertain. Prices tend upward.

Capsicum (Oleoresin).—Firm to stronger undertones. Normal call.

Caraway.—Strictly nominal. Would fetch around $8.25 per pound if available. No chance to import now.

Cardamom.—Strength of raw material holds oil strong.

Cassia.—Firm. Sold at $2.10 to $2.20 per pound. Replacement prices firm.

Cedarleaf.—Steady to firmer. Better demand.

Cedarwood.—Domestic needs broaden. Seasonal expansion.

Celery.—No surplus. Replacement cost high. Distillation cost high due to price of seed.

Citronella.—Java oil up to 42c. to 44c. per pound. Strong. Replacement costly and slow. Ceylon considerably firmer.

Clove.—Good demand. Rising curve of consumption. Firm prices.

Coriander.—Still nominal. Recent landing absorbed without development of price weakness.

Cubeb.—Tendency up. Due to rising production cost.

Dill.—Better demand. Very firm prices. Little competition.

Erigeron.—Carryover will be small. All needs met.

Eucalyptus. — Strong undertones. Sustained demand at normal volume. Drums, 68c. to 70c. per pound; cans, 71c. to 73c.

Geranium.—Nominal around $15 per pound. Quoted without offer.

Grapefruit.—Firm to firmer. Sales up moderately.

Ginger.—Sold at $5.25 to $5.50 per pound. Stronger. Production cost up.

Hemlock.—Quiet and easy at late decline.

Laurel.—Strictly nominal around $5 per pound, subject to confirmation. Quoted without offer.

Lemon.—Firm. Demand normal. Domestic production covering needs. Limited supply Italian oil.

Lemongrass.—Advance maintained. Strong undertone. Expected to go higher. Stocks moderate. Replacement slow and uncertain.

Lime.—Firmer source market continued gaining strength. Local quotations tend upward. Fair call. No surplus supply.

Mustard.—USP artificial oil in continued price stabilization.

Nutmeg.—Fair, sustained demand. Steady prices.

Orange. — Demand along seasonal lines. Steady prices. Limited competition.

Pennyroyal. — Limited stocks in strong hands. Not much call.

Peppermint.—Holding firm. Russian oil arrival failed to break prices further. Some dealers think present prices too high. Declare natural oil at $2.25 per pound would be about right.

Petitgrain.—Drums, $1.45 to $1.50 per pound. Cans, $1.50 to $1.55. Firm and stabilized.

Rose.—Natural oil strong. Increasingly scarce. Synthetic getting fine call.

Rosemary. — Little competition. Steady demand. Moderate stock.

Rue.—Business done at $6.25 to $6.50 per pound. Little offered. Price subject to confirmation.

Sage.—Cleared from spot stocks.

Savin.—None offered.

Spearmint. — Steady under quiet, sustained demand. Little competition.

Spruce.—Steady at recent price drop. Moderate sale and inquiry.

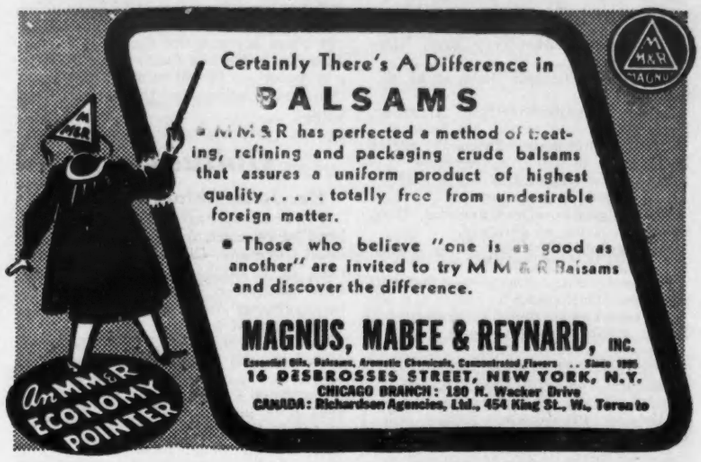
Sweet Birch.—Higher, spot and country. Northern, $2.75 to $3 per pound. Southern, $1.60 to $1.65. Likely to go higher.

Wintergreen. — Stronger in rising market. Northern, $5.50 to $5.75 per pound. Southern, $3.75 to $4. Tendency still upward. Fair call.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Toilet Goods Ass'n, June 9-11, New York.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Aromatic Chemicals

Diphenyl Oxide.—Very firm. Demand normal.

Epenone.—Business done at $3 per pound. Firm.

Ethyl Aubepine.—Call irregular. Prices firm.

Ethyl Cinnamate.—Demand excellent. Firm to firmer undertones.

Ethyl Phenylacetate.—Little competition. Upward tendency.

Ethyl Vanillin.—Good demand. Consumption rising moderately.

Eucalyptol.—Normal activity. Very firm prices. Little competition.

Eugenol.—Firm due to raw material situation. Call steady.

Geraniol.—Steady undertones. Prices stable. Good demand.

Geranyl Acetate.—Good business at firm prices. No surplus.

Geranyl Formate.—Jobbing business rising. Firm to firmer prices.

Geranyl Propionate.—Fairly quiet. Call routine.

Heliotropine.—Normal demand. Very firm. Little competition.

Hyacinth Geraniol.—Steady delivery of normal consuming needs.

Hydroxycitronellal.—Advance easily maintained. Costs rising. Further price advance expected.

Linalool.—Going strong under active, sustained demand.

Linalyl Acetate.—Excellent sales volume. Expected to hold.

Menthyl Salicylate.—Demand should gain due to seasonal influences.

Methyl Acetophenone.—Good business. Firmer prices.

Methyl Anthranilate.—Inquiry normally active. Prices hold.

Methyl Benzoate.—Firm. Steady, jobbing demand.

Coty, Inc., Names Whalen Board Chairman

Grover A. Whalen, a director since 1936, has been elected chairman of the board of Coty, Inc., and of Coty International Corporation. Phillippe Cotnareanu was re-elected vice-chairman and H. L. Brooks, president. Mr. Whalen for many years was general manager of John Wanamaker, this city, and a director and member of the executive committee of the Wanamaker stores here and in Philadelphia. He was active in the formulation of the plans for and the direction of the New York World's Fair. He has been a director of the Merchants Association and president of the Advertising Club.

Obituaries

Dr. John Ahlum Schaeffer

Dr. John Ahlum Schaeffer, former head of research for the Eagle Picher Lead Company, Cincinnati, and president of Franklin and Marshall College, Lancaster, Pa., since 1935, died in his home April 6. He was fifty-four years of age.

Born in Kutztown, Pa., Dr. Schaeffer's parents moved to Lancaster when he was five years old. Graduating from Franklin and Marshall in 1904 with an A.B., Dr. Schaeffer was awarded his A.M. a year later and received his Ph.D. from the University of Pennsylvania in 1908. He then became a teacher of chemistry at Carnegie Institute of Technology, where one of the test fences of the scientific section of the Educational Bureau, which subsequently became a part of the National Paint, Varnish and Lacquer Association, has been erected. About this period, Dr. Schaeffer and Henry A. Gardiner, of the Educational Bureau, published their book on the "Analysis of Paints and Painting Materials".

In 1911, Dr. Schaeffer left his teaching post to become chief chemist for the Picher Lead Company, which, in 1916, was consolidated with the Eagle White Lead Company. In 1921 he became vice-president in charge of manufacturing, and in 1931 was named vice-president in charge of research, a post he held until 1935, when he resigned to accept the presidency of Franklin and Marshall.

He had been honored with degrees from the University of Pennsylvania, and Dickinson, Carlisle and Muhlenberg colleges. He was a fellow of the American Association for the Advancement of Science, and member of the American Institute of Chemical Engineers and the Royal Society of Arts of London. He collaborated on "The Chemical Analysis of Lead and Its Compounds," which is the standard textbook on the subject.

Surviving are four children. His wife died several years ago.

William Remsen Appleby

William Remsen Appleby, founder, and since 1935, dean emeritus of the University of Minnesota School of Mines, died April 8 in his home in Newton Centre, Mass. He was seventy-six years old.

Born in Hoboken, N. J., Mr. Appleby graduated from Williams College in 1886. He became professor of mining and metallurgy at the University of Minnesota in 1890. He was a member of the American Institute of Mining Engineers, the American Chemical Society, and the Society of Chemical Industry and the Institute of Mining and Metallurgy of London.

Surviving are his wife, a daughter, and two sons.

Cornelius O. Schroeter

Cornelius Otto Schroeter, founder of C. Schroeter, Inc., cocoa butter broker, this city, died April 5 in the Beekman Street Hospital at seventy-two years of age. His home was in Teaneck, N. J.

Mr. Schroeter was born in Germany but lived in this country from early boyhood. His wife, Mrs. Bertha Schoenfeld Schroeter, and a sister, Miss Sofie Schroeter, of Heidelberg, Germany, survive.

Henri Eugene Blanc, father of Marcel Blanc, of the African Metals Corporation, this city, died in Scarsdale, N. Y., April 9. He was eighty years old. Mr. Blanc, who came to this country eighteen months ago, devoted most of his life to the development of mining property in France, Algiers and South America. In addition to his son, a daughter survives.

A. Leon Cutler, a chemical engineer with the Hollingworth Vose paper mill, for many years in Groton, Mass., died April 8. He was sixty-five years of age.

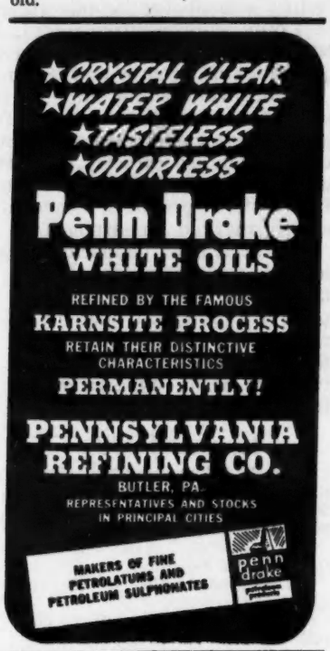
Dr. Eugene Davenport, dean emeritus of the College of Agriculture, University of Illinois, died March 31. He was eighty-four years of age.

J. Harvey McHenry, vice-president of America's Own Match Company, this city, died April 10 at Lansdowne, Pa.

Arthur J. Ritter, manager of the National Glass Company, Newark, N. J., died in Union, N. J., April 5.

Vernon Newton Stratton, assistant superintendent of the Evans Lead Company, Charleston, W. Va., died March 26.

Arthur T. Vaux, retired sea captain for the Socony Vacuum Oil Company, died in a hospital in Eastview, N. Y., April 7. He was seventy-four years old.



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Petroleum Products

Refined Petroleum Products Consolidate Gains Made on Crude Rise — Naphthas and Solvents Higher in Midcontinent —Crude Scale Paraffin Very Strong and Scarce

Markets for refined petroleum products continued to show firming tendencies during the week, further consolidating the gains registered when crude oil was advanced generally two weeks ago. Practically all Midwestern and Midcontinent suppliers had advanced naphtha and solvent prices by the end of the period. Lighter petroleum fractions were showing strength and higher prices in Group 3 were believed probable. Crude scale paraffin prices were tending upward, although no actual advances were made. Material was very scarce. White oils and petrolatums were normal.

Further strength was seen in Pennsylvania lubricants and another advance this week would not be unlikely. Gasoline was advanced in major marketing sectors and offerings were slightly curtailed. Kerosene was steady. A further advance was made in Illinois crude oil price.

Solvents and Diluents

Aromatic Naphthas.—Continued to move out in better than normal fashion. Offerings light. Some types unavailable. Prices steady.

Cleaners' Naphtha.—Movement to consumers satisfactory. Inquiries fair. Prices steady.

Lacquer Diluent.—There was a narrower movement during the week. Lacquer manufacturers apparently were well-stocked. Shipments remained fairly large, however. Price was firm and unchanged.

Mineral Spirits.—Demand remained good. Movement of stocks was better than normal. Prices were firm and unchanged.

Rubber Solvent.—Movement to Akron tire manufacturers remained heavy. Inquiries for future delivery were well-maintained. New business was satisfactory.

Stoddard Solvent.—Normal call reported. Price steady.

V. M. & P. Naphtha.—Buying interest was at a good level during the week, although there was a slight drop in inquiries for the future. Price was firm and unchanged.

Markets at Other Centers

Chicago—Apr. 11

Higher prices are being maintained by the sellers who recently advanced ¾c. per gallon in the Middle West. Paint industry buying is active, with manufacturers indicating expanded demand for their materials requiring the raw products.

AROMATIC NAPHTHAS.—Good interest, firm prices.

CLEANERS' NAPHTHA. — Movement active, quotations holding.

LACQUER DILUENT.—Excellent demand, prices strong.

MINERAL SPIRITS.—Good call, tone steady.

RUBBER SOLVENT.—Orders active, market firm.

STODDARD SOLVENT.—Buying active, market holding.

V. M. & P. NAPHTHA.—Business good, tone strong.

New Orleans—Apr. 11

A firm tone continued to be evidenced in the domestic market on cleaning solvent and V. M. & P. naphtha, with quotations remaining unchanged.

CLEANING SOLVENT.—Demand routine; prices unchanged.

V. M. & P. NAPHTHA. — Movement slow; no change in price.

San Francisco—Apr. 11

Heavy demand for paint thinners kept petroleum specialties suppliers very busy during the week. The market for all products is active and tone is good.

AROMATIC NAPHTHAS.—Very good demand.

CLEANERS' NAPHTHAS.—Routine; up to normal.

PETROLEUM THINNERS. — Unusually brisk.

LACQUER DILUENT. — Exceptionally good demand.

V. M. & P. NAPHTHAS.—Very active.

RUBBER SOLVENT.—Demand good.

STODDARD SOLVENT.—Active.

Price Changes

Advanced

Gasoline, tankcar, at refinery, ¼c. per gal., basis N. Y.
Gulf Coast, ⅝c. per gal.
Petroleum, crude, bulk, at well, Illinois, 2c. per bbl.
lacquer diluent, ⅝c. per gal., Group 3.
mineral spirits, ⅝c. per gal., Group 3.
naphtha, cleaners', ⅝c. per gal., Group 3.
V.M. & P., ⅝c. per gal., Group 3.
solvent, rubber, ⅝c. per gal., Group 3.
stoddard, ⅝c. per gal., Group 3.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Tulsa—Apr. 11

All grades of naphthas were raised ⅜c. per gallon this week. It is believed the advance was a result of advances in the prices for crude and gasoline.

CLEANERS' NAPHTHA. — Demand quiet. Prices higher.

STODDARD SOLVENT. — Good call, prices strong.

RUBBER SOLVENT.—Movement less active, prices higher.

V. M. & P. NAPHTHA.—Good movement, prices higher.

LACQUER DILUENT.—Good call, prices rising.

Lighter Fractions

Butane.—Movement continued narrow last week due to the tightness in the supply situation. Consumers remained actively interested in whatever offerings appeared. Price was firm to strong.

Heptane.—The market remained more or less normal during the period. Movement of supplies was reported fair. Inquiries were routine. Price was steady and unrevised.

Hexane.—Movement into consumption was only routine. Suppliers reported a small pick-up in new business Price was unchanged and stable.

Octanes.—Normal trade was reported. Movement into consumption was regular and in fair-sized volume. Price was firm.

Pentanes.—Little of new interest. The market was fairly well maintained at previous levels, with no changes in demand or price.

Propane.—Similar to butane, tight supplies prevented any noticeable changes in the market status for this material. Demand was good but offerings were small. Price was firm to strong.

Markets at Other Centers

Chicago—Apr. 11

The lighter fractions continue selectively active, with materials such as butane and propane continuing to attract much attention and buying, while other products hold steady with little change. As a whole the volume in this division is tending to improve.

BUTANE.—Good call, market strong.

HEPTANE.—Fair interest, no change in price.

HEXANE.—Demand quiet, market unchanged.

OCTANES.—Activity fair, quotations holding.

PENTANES.—Increased demand, with market firming.

PROPANE.—Good buying, limited offerings, market strong.

Tulsa—Apr. 11

Demand is gaining momentum. Indications are that prices will likely be advanced.

BUTANE.—Larger demand, prices rising.

PROPANE.—More material is sought by buyers, prices stronger.

PENTANE. — More trading, prices higher.

Petrolatums and Waxes

Paraffin.—Crude scale material was very scarce during the period, and few sales were reported. Prices were not changed, although those quoted were very strong.

Petrolatums. — In fairly active demand. Prices steady.

White Mineral Oils.—Sales continued to be confined to small lots. Prices unchanged.

Markets at Other Centers

Chicago—Apr. 11

Except for stronger paraffin market tone these materials have been quiet. Both crude and refined wax grades are in good call, with a firm tone. Petrolatums are quiet, with demand about normal. White mineral oils have been steady on routine call.

PARAFFIN. — Demand good, prices firm to strong.

PETROLATUMS.—Movement routine, prices steady.

WHITE MINERAL OILS.—Quiet market, no change in price.

Tulsa—Apr. 11

Demand for waxes was quieter this week, with refiners holding firmly to their quotations.

PARAFFIN.—Good call for material, prices steady.

PETROLATUMS.—Demand quiet, prices fair.

Fuels and Lubricants

Gasoline.—Tankcar price advanced ¼c. per gallon at New York by prominent suppliers. Advances also were

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Nat. Pet. Ass'n, April 23-25, Cleveland.

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HEXANE HEPTANE
PETROLEUM ETHER
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JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
FRITZSCHE BROTHERS, Inc.

made at terminals throughout New York and New England. Demand was good, with the approach of the heavy consumption season finding the market in a very firm position.

Kerosene.— Advances made during the week did not affect refinery prices. Demand normal.

Lubricating Oils.—Pennsylvania lubricants were stronger, but no advances were recorded. Demand was good.

Crude Oils Price Changes

Illinois crude advanced 2c. per barrel to $1.22.

Markets at Other Centers

Chicago—Apr. 11

Gasoline business has been good on a rising price base, with new quotations firmly held and offerings limited. Kerosene is firmer. Lubricants tending higher.

GASOLINE.— Demand active, prices strong to higher.

KEROSENE.—Interest quickening, market firmer.

LUBRICATING OIL.—Good buying, market strong.

New Orleans—Apr. 11

Gasoline moved along routine lines during the past week, while interest in kerosene continued normal. A slight increase in quoted price was noted on all grades of gasoline during the week.

GASOLINE.—Demand routine, prices advanced 3/8c. on regular grade.

KEROSENE.—Market normal, no price changes.

Tulsa—Apr. 11

Demand quieted down following the spurt subsequent to price advances last week. The market is tight.

GASOLINE.—Trading quieter, prices strong.

KEROSENE.— Trading active, prices strong.

LUBRICANTS.—Good call for all grades, prices firm.

Lance Creek Oil Lease Awarded to Cilebur Corp.

OPD Washington Bureau
April 9, 1941

An increase in returns of more than $500,000 to the Federal government from the sale of royalty oil from the Lance Creek field in Niobrara county, Wyoming, today was recorded by Secretary of the Interior Harold L. Ickes as an achievement under the national conservation program. Bids from the Cilebur Corporation, Denver, Colo., were accepted for the purchase of an aggregate of almost 1,000,000 barrels of crude oil over a three-year period from April 1, 1941, to March 31, 1944.

Columbia Names Dr. Behre Economic Geology Professor

Dr. Charles H. Behre, Jr., William Deering, Professor of Economic Geology at Northwestern University, has been named professor of geology at Columbia University. As associate geologist in the United States Geological Survey since 1921, and cooperating geologist with the Pennsylvania Geological Survey since 1922, Dr. Behre has made special studies of mineral deposits and industries in Ohio, Nevada, Idaho, Pennsylvania, Illinois and Wisconsin. In 1937 he won a Guggenheim Fellowship to study the lead and zinc deposits of Northern Africa, Europe and Russia.

Commerce Bureau Setup Divides Chemical Services

—Continued from page 3

which they are familiar. The work of this division will be divided among seven "units," including export-import market information, merchandise, consumption materials, finished durable goods, durable materials, public utilities, and construction. The construction unit is still to be formed.

Directive information on foreign economic and commercial affairs and on foreign national policies affecting commerce will be provided to the government and to exporters and importers by the Division of International Economy, headed by James H. Edwards. The setup of this division is on geographical rather than functional lines, being divided into an American Republics unit, British Empire unit, European unit, and Far Eastern unit. The old divisions of foreign tariffs, commercial laws, and finance are being split up among these units, while the old regional information division becomes the backbone of these four units. This division also has two other small units, one dealing with reciprocal trade agreements and the other called the international economics unit. This latter is composed of a small staff headed by Amos E. Taylor, formerly chief of the finance division, and Henry Chalmers, formerly chief of the foreign tariffs division, and it will deal with special and overall subjects of economic conditions in foreign countries.

Study and analysis of the economic life of the nation as a basis for the general aims and objectives of all bureau activities will be undertaken by the Division of Research and Statistics, under the supervision of M. Joseph Meehan, with five different units, including national economics, business structure and operations, current business analysis, national income, and statistics. It also incorporates the old domestic commerce division.

The Division of Regional Economy, directed by C. C. Fichtner, will maintain continuous contact with the nation's principal economic areas through a field force operating from strategically located offices and through cooperative research stations, its work being divided between a regional research unit and the field service. It will have charge of the district offices and will conduct special regional surveys.

Information developed by all other divisions of the bureau will be edited, published, and distributed to business and the government by the Division of Commercial and Economic Information, under the direction of John H. Morse. This division will be divided into two units, one for publication and the other for commercial intelligence, including credit information on foreign firms.

Regional Offices Planned

Establishment of regional offices of the bureau, originally planned for the current fiscal year, was delayed to permit Secretary Jones to review the plan before so important a change was made. However, one of these proposed offices has been established at Richmond, and it is expected the remaining eleven will be functioning prior to June 30, 1942.

These offices are planned in order to maintain a more effective liaison between the department and the businessmen in the field, and will be located in the twelve Federal Reserve cities throughout the country.

Chemical Groups Divided

The greatest change is in the abolition of the thirteen commodity divisions and their reallocation to the five units of the Division of Industrial Economy, chemical commodities going into two groups. The various specialists are now grouped according to functional rather than commodity interests.

The merchandise unit will include foodstuffs, wholesale and retail food trade, beverages, clothing and apparel, household appliances and furnishings, hardware, plumbing, heating equipment and supplies, printing and publishing, service industries, motion pictures, and merchandising.

The consumption materials unit will include textile manufactures, rubber and rubber products, leather and leather products, paper and allied products, paints, varnishes, etc., drugs, medicines, etc., fuels, tobacco, and containers.

The finished durable goods unit will include machinery and equipment of all kinds, motive products, aircraft, railway equipment, and shipbuilding.

The durable materials unit will include lumber and lumber products, synthetic organic chemicals, basic industrial chemicals, cement, clay, etc., iron and steel, and nonferrous metals.

The public utilities unit will include shipping, land transportation, communications, and the Foreign Trade Zones Board.

In addition to these five functional units there will be an Export-Import Market Information Unit which will physically be divided up among the other five and will handle inquiries regarding foreign trade information. Thomas W. Delahanty, formerly assistant chief of the chemical division, is temporarily chief of this unit.

Consultants for Industry

Of the thirteen chiefs of the old commodity divisions, eight have been made "Industrial Consultants." Their work will be to make contacts with industry and to develop special reports, usually in the fields of their former activities. These men are Charles C. Concannon, formerly chief of the chemical division; Nathan D. Golden, motion pictures; Benjamin D. Hill, tobacco; Walter A. Janssen, metals and minerals; Lewis M. Lind, machinery; Paul R. Mattix, motive products; John H. Payne, electrical equipment; and Edward T. Pickard, textiles.

The other five former division chiefs now head units of the Division of Industrial Economy as follows:—Merchandise unit, Fletcher H. Ralws, formerly chief of the foodstuffs division; consumption materials unit, Everett G. Holt, formerly chief of the leather and rubber division; finished durable goods unit, H. B. McCoy, formerly chief of the specialties division; durable materials unit, Phillips A. Hayward, formerly chief of the forest products division; Public Utilities unit, Thomas E. Lyons, formerly chief of the transportation division. This brings Mr. Holt and Mr. Hayward into the field of chemicals and related materials and products thereof.

The specialists of the old chemical division are being separated although, contrary to the original plan, each will take with him his own file of material in his field. J. W. Wizeman, who has been handling industrial chemicals, and J. N. Taylor, who has been handling synthetics, will continue much their same work in the durable materials unit. Miss A. H. Swift, who has been in charge of special research for the chemical division, will also be assigned to this unit, as will Mr. Delahanty when he completes his temporary work of organizing the export-import market information unit. The consumption materials unit will take E. C. Wood, handling paints and paint materials, and Lester A. Barber, handling drugs and medicines.

Fertilizer Industry Readies Trust Defense

—Contniued from page 5

records are to be returned at government expense.

Counsel for certain defendants gave notice that they will file a motion May 12 to quash the indictment on the ground of duplicity of charges in the same count, and also a motion to relieve certain witnesses of oath of secrecy.

Directors of the National Fertilizer Association met in Washington April 10 to prepare a defense, and all defendants will meet in Philadelphia April 17 prior to arraignment May 12.

N.Y. Fertilizer Law Changed

Albany, April 8, 1941

The legislature has passed and sent to the governor the Graves bill (S. 2767) which extends the information requirements of section 143 of chapter 48 of the laws of 1922 to make mandatory the disclosure with respect to a fertilizer, its content in minimum percentage of "soluble and insoluble magnesium, sulphur, boron, or any other elements claimed to be of value in the fertilizer," also the disclosure of "the potential acidity or basicity of a mixed fertilizer in terms of pounds of calcium=carbonate-equivalent per ton."

Light Steel Drums For Gasoline Export

—Continued from page 5

It is understood that exporters requested the use of the single-trip drum for gasoline because of export license control imposed on returnable drums ordinarily used for this business. But, the export ban applies to all metal containers for petroleum products containing 5 gallons or more. An export license is required for single-trip drums of 5 gallons or over for petroleum and of more than 30 gallons for most other commodities.

The American Petroleum Institute requested use of light drums for export and particularly for sales to army and navy posts outside the United States; because heavy drums do not get returned and are scarce.

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Fertilizer Materials

Finished Fertilizers in Heavy Movement as Planting Starts—Raw Materials Respond to Broader Demand—Feed Products in Good Call—Blood and Tankage Higher

Movement of mixed fertilizer material attained full volume during the period under review. Weather conditions favorable to planting operations prevailed in most sections of the country and orders for the mixtures appeared quickly and in large volume. Price-cutting on the finished fertilizer products was reported in certain areas.

Better interest in mixtures resulted in heavier movement of raw materials during the week. Organic ammoniates were in especially good call, with higher prices recorded for blood and tankage. A large portion of the strength was due to greater interest in feed materials. Chemicals were moving in better than normal fashion. Larger demand for most synthetic products is looked for toward the end of this month.

Nitrogenates

Ammonia Phosphate. — Demand slower. Offerings restricted. Price firm.

Anhydrous Ammonia.—Market tight. Price steady.

Cyanamid.—Nominal price continued to prevail as supplies contracted further.

Dried Blood.—Feed buyers active. Domestic material advanced 25c. per unit at New York and 20c. at Chicago to $3.25 and $3.50, respectively.

Fish Scrap.—No dried menhaden futures sales were reported during the week. Sellers were stronger in their asking price, with offerings of futures at $4.25 and 10c. per unit. Menhaden meal and acid scrap were firm.

Nitrate of Soda.—Broader contract demand noted. Price steady and unchanged.

Nitrogenous Material. — Demand fairly large. Prices in Midwest tending easier. No actual reductions made.

Sulphate of Ammonia.—Fewer offerings for export. Domestic demand better than normal. Contract price unchanged.

Tankage.—Fertilizer grade advanced 25c. per unit to $2.75 and 10c. at both New York and Chicago. Feed grade advanced 15c. per unit to $3 and 10c. at New York, and 25c. per unit to $3.50 and 10c. at Chicago.

Potashes

Potash salts were moving routinely. Demand was narrow. Replacement orders are expected to come into the market in greater volume before the end of the month. Prices were firm and unchanged.

Phosphates

Bone Materials.—Good feed demand. Prices steady.

Superphosphate.—Buying remained conservative, with movement fair. Prices unchanged.

Sulphur and Pyrites

Crude sulphur was moving in a normal manner last week. Inquiries were slightly better. Price was steady

Price Changes

Advanced

Blood, dried, dom., f.o.b. N.Y., 25c. per unit.
f.o.b. Chi., 20c. per unit.
Cottonseed meal, 8%, $1 per ton, Southeastern mills.
Tankage, fertilizer, f.o.b. N. Y., 25c. per unit.
f.o.b. Chi., 25c. per unit.
feed, f.o.b. N. Y., 15c. per unit.
f.o.b. Chi., 25c. per unit.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	**68.0**	**68.0**	**67.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—Apr. 11

Demand for fertilizer materials is brisk. Selling may continue through April as a result of a delayed season. Cottonseed meal again was advanced $1 per ton.

COTTONSEED MEAL.—$28.50 to $29 per ton, Southeastern points.

NITROGENOUS.—$1.90 per unit, Midwestern producing points.

TANKAGE.—Foreign, $2.75 and 10c. per unit, ports.

Baltimore—Apr. 11

The demand for fertilizer mixtures is increasing. Quotations on crude fertilizer materials are unchanged, except for higher levels for ammoniates.

FISH SCRAP.—Producers of menhaden scrap are asking $4.25 and 10c. per unit-ton, with no commitments entered into. Spot menhaden meal can be had at $60 to $62 per ton, f.o.b. Baltimore.

SUPERPHOSPHATE.—Moving in fair quantities at $8 per ton for run-of-pile, and $8.50 per ton for 16 percent flat supplies.

TANKAGE.—Last sales at $2.75 and 10c. per unit-ton. Present offerings at $3 and 10c.

Chicago—Apr. 11

Firmer and stronger conditions prevail in fertilizer materials. Organics are coming into a good demand. Blood is steady. Tankage has been irregularly better. Bone materials show continued firmness.

BLOOD.—Principal grade, $3.50 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.50; hoof-meal, $2.70 to $2.80.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 and unchanged. The market for pyrites showed no changes.

percent, $35; 4½ and 50 percent, $34; grinding hoofs, pigs' toes and waste horn materials, $35 to $37.50; cattle jaws, skulls and knuckles, $35 to $36; beef cracklings, soft pressed, $35 to $37.50; pork cracklings, soft pressed, $37.50 to $40; hard pressed cracklings, per unit of protein, 65c. to 70c.

San Francisco—Apr. 11

Fertilizers are in full movement. Organic products continue to climb upwards.

SULPHATE OF AMMONIA.—Not offered, but sellers inviting bids.

SUPERPHOSPHATE.—Unchanged and firm.

NITRATE OF SODA.—Demand good. Price steady.

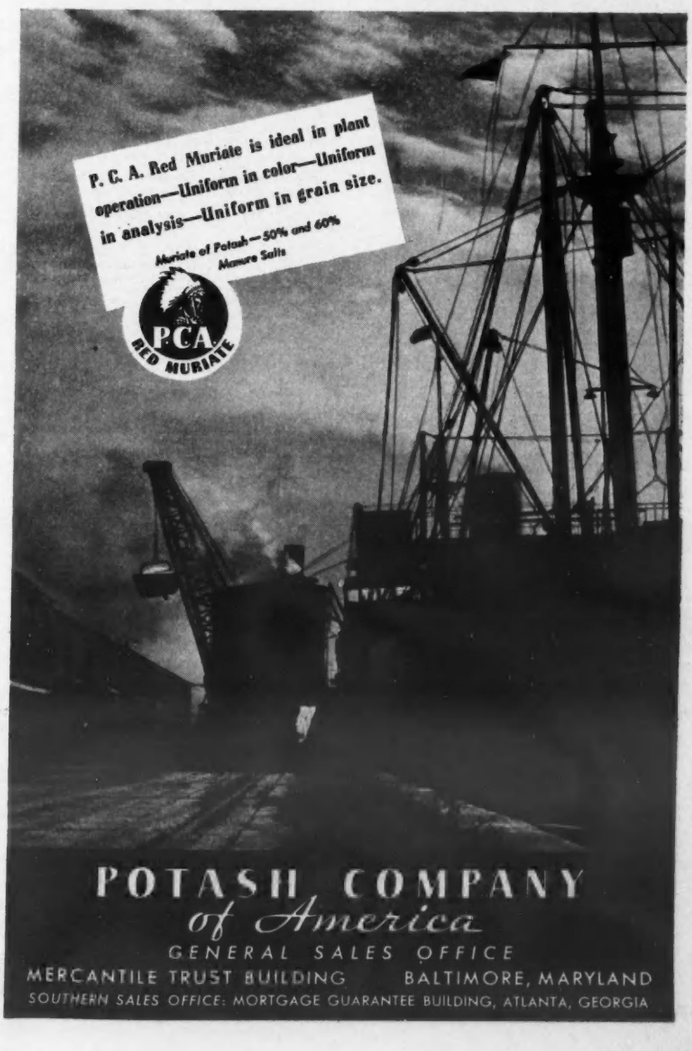
FISH MEAL.—San Francisco stocks cleaned out.

American Maize-Products Company, this city, expended $750,000 on plant improvements and expansion in 1940.

Fertilizer Tag Sales: March

	P.C. of 1940.	January 1941.	January 1940.	January 1939.	P.C. of 1940.	January-March 1941.	January-March 1940.	January-March 1939.
		Equivalent tons				Equivalent tons		
Virginia	93	74,304	79,549	87,674	102	171,473	167,783	179,193
North Carolina	98	310,558	316,098	358,252	101	564,688	558,312	634,533
South Carolina	89	265,216	298,265	266,468	98	435,254	444,380	411,679
Georgia	107	343,482	319,616	322,062	107	513,384	478,883	454,785
Florida	100	53,517	53,656	45,032	116	203,905	176,007	167,989
Alabama	74	146,950	199,150	199,700	87	271,850	312,950	301,600
Mississippi	65	70,313	108,675	73,825	104	203,252	196,013	139,600
Tennessee	44	10,410	23,456	24,250	101	40,018	39,682	47,461
Arkansas	72	25,800	36,000	24,300	110	72,800	66,200	50,900
Louisiana	65	37,830	57,825	45,000	97	98,930	102,311	93,050
Texas	62	26,817	43,455	29,389	91	69,797	77,016	59,034
Oklahoma	91	2,110	2,320	2,089	151	7,796	5,173	6,018
Total South	89	1,367,307	1,538,065	1,478,041	101	2,653,147	2,624,710	2,545,842
Indiana	120	65,079	54,225	58,482	120	135,687	113,019	94,295
Illinois	236	16,881	7,164	8,832	168	21,029	12,507	16,026
Kentucky	89	20,348	22,786	21,585	114	45,749	40,111	41,008
Missouri	..	16,670	16,670	13,655	128	30,483	23,888	18,765
Kansas	89	816	918	610	213	5,033	2,368	1,315
Total Midwest	118	119,794	101,763	103,164	124	237,981	191,893	171,409
Grand totals	91	1,487,101	1,639,828	1,581,205	103	2,891,128	2,816,603	2,717,251

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7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Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—(Correction) In the previous issue Monsanto Chem Co was credited with 750 dms, should have read 50 dms

AGAR—10 bls, Japan

ALOE—150 cs, Aruba

ALUMINUM FOIL—10 cs, Wedemann & Godknecht, Kobe

ANTIMONY ORE—479 bgs, Bank Minero de Bolivia, Arica
720 bgs, J Henry Schroeder Banking Corp Antofagasta
717 bgs, Vera Cruz
400 bgs, Coatzacoalcos

ARROWROOT—5,000 bgs, Morningstar-Nicol, St Vincent
400 bbls, Morningstar-Nicol, St Vincent
500 sks, Morningstar-Nicol, St Vincent
600 bgs, Morningstar-Nicol, St Vincent

ARSENIC, WHITE—200 cs, H H Rosenthal & Co, Kobe
105 bbls, American Smelting & Refg Co, Coatzacoalcos

ASBESTOS—300 bgs, Union Asbestos & Rubber Co, Durban
1,400 bgs, National City Bank, Beira
1,000 bgs, National City Bank, Beira
3,500 bgs, Union Asbestos & Rubber Co, Africa

BAUXITE—2,667 tons, Aluminum Ore Co, Port Spain

BEEF EXTRACT—134 cs, Armour & Co, Montevideo

BONE MEAL—530 bgs, Buenos Aires
1,000 bgs, Buenos Aires
500 bgs, Buenos Aires

BONES—2,240 bgs, Santos

BRISTLES—10 cs, M Broverman & Son, Tientsin
5 cs, S Hirshenhorn & Son, Tientsin
20 cs, M Broverman & Son, Tientsin
55 cs, S Hirshenhorn & Son, Tientsin
7 cs, M Broverman & Son, Kobe
2 cs, Pittsburgh Plate Glass Co, Tientsin
3 cs, F H Cone & Co, Tientsin

CAMPHOR, REFD—50 cs, Bridges, Neumer & Co, Kobe
200 cs, F W Woolworth Co, Kobe

CANARY SEED—395 bgs, Kuiper & Bolle, Buenos Aires

CARDAMOM—36 cs, P H Petry & Co, Pto Barrios

CASEIN—417 bgs, American-British Chemical Supplies, Buenos Aires
500 bgs, American-British Chemical Supplies, Buenos Aires
1,000 bgs, American-British Chemical Supplies, Buenos Aires
834 bgs, A Hurst & Co, Buenos Aires
834 bgs, American-British Chemical Supplies, Buenos Aires

CASSAVA FLOUR—10 bgs, M G Kahn, Cape Haitien

CASSIA, VERA—214 pkgs, A G Dunn, Padang

CASTOR BEANS—1,694 bgs, Spencer-Kellogg & Sons, Victoria
1,663 bgs, Victoria

CHALK, CRUDE—2,000 tons, Taintor Trading Co, London

CHEMICALS—4 cs, Hudson Shipping Co, Lisbon
5 cs, Ciba Pharm Co, Lisbon
6 bbls, Ciba Pharm Co, Lisbon
17 cs, J E Bernard & Co, Lisbon
1 dm, Rohner-Gehrig Co, Lisbon
41 cs, 1 cyl, Sandoz Chem Works, Lisbon
1 cs, Gane & Ingram, Lisbon
25 cs, Sandoz Chem Works, Lisbon
SYNTHETIC—2 cs, Givaudan, Delawanna, Lisbon
TEXTILE—55 bbls, Sandoz Chem Works, Lisbon

CHILLIES—250 bgs, A G Dunn, Kobe
125 bgs, F S Ehrlich & Co, Kobe
250 bgs, A G Dunn, Kobe
200 bgs, A G Dunn, Kobe

CINCHONA BARK — 134 bgs, R Heins, Cristobal

CLOVES—50 bgs, A G Dnnn, Zanzibar
240 bgs, I S Toledano & J M Pinto, Zanzibar
250 bgs, Dodge & Olcott Co, Zanzibar
200 bgs, I Harrison & Whitney, Zanzibar
100 bgs, A F Payne Co, Zanzibar
100 bgs, Laxseed Co, Zanzibar
100 bgs, O Gerdau Co, Zanzibar
100 bgs, C M Van Sillevoldt, Zanzibar

COALTAR INTERMEDIATES—6 bbls, Sandoz Chem Works, Lisbon
9 dms, Gondrond Shipping Co, Lisbon
2 bbls, Rohner, Gehrig & Co, Lisbon

COCOA BEANS—5 bgs, H Schnell & Co, St Lucia
250 bgs, Wessel, Duval & Co, Grenada
350 bgs, Wessel, Kulenkampf & Co, Grenada
200 bgs, Daarnhonwer & Co, Grenada
250 bgs, Wessel, Kulenkampf & Co, Grenada
500 bgs, Middleton & Co, Port Spain
500 bgs, W R Grace & Co, Port Spain
250 bgs, Wessel, Kulenkampf & Co, Port Spain
200 bgs, Middleton & Co, Port Spain
250 bgs, Middleton & Co, Port Spain
500 bgs, Canadian Bank of Commerce, Port Spain
500 bgs, Campano
500 bgs, Antoni & Co, Campano
200 bgs, Canadian Bank of Commerce, Port Spain
100 bgs, Transmarine Mercantile Corp, Cape Haitien
200 bgs, Chase National Bank, Victoria
1,000 bgs, O J Hitz, Rio Caribe
602 bgs, Daarnhonwer & Co, La Guaira
500 bgs, La Guaira
500 bgs, Kennedy, Butcher & Co, La Guaira
85 bgs, Daarnhonwer & Co, La Guaira
600 bgs, Machado & Co, La Guaira
470 bgs, Chemical Bank Trust Co, Puerto Cabello
250 bgs, Wessel, Duval & Co, Puerto Cabello
500 bgs, General Cocoa Co, Puerto Cabello
500 bgs, Guayaquil
300 bgs, W R Grace & Co, Guayaquil
750 bgs, Guayaquil
750 bgs, W R Grace & Co, Guayaquil
250 bgs, Middleton & Co, Guayaquil
750 bgs, Middleton & Co, Guayaquil
250 bgs, Middleton & Co, Guayaquil
750 bgs, Fruit Dispatch Co, Cristobal
750 bgs, Middleton & Co, Cristobal
83 bgs, Fruit Dispatch Co, Cristobal
23 bgs, Royal Bank of Canada, Trinidad

COCOA BEANS—150 bgs, Wood & Selick, Trinidad
80 bgs, Trinidad
1,731 bgs, Irving Trust Co, Trujillo
200 bgs, Jose Armentenos, San Pedro de Macoris
1,209 bgs, Machado & Co, Sanchez
291 bgs, Gillespie & Co, Sanchez
34 bgs, Machado & Co, Puerto Plata
169 bgs, Wessel, Kulenkampf & Co, Puerto Plata
37 bgs, Wessel, Duval & Co, Cristobal
184 bgs, Struller & Wood, Port au Prince
750 bgs, Guayaquil
250 bgs, Ecuador
250 bgs, Guayaquil
500 bgs, Kennedy, Butcher & Co, Guayaquil
500 bgs, Wessel, Kulenkampf & Co, Guayaquil
500 bgs, Middleton & Co, Guayaquil
250 bgs, Kennedy, Butcher & Co, Guayaquil
500 bgs, Wessel, Kulenkampf & Co, Guayaquil
500 bgs, Middleton & Co, Guayaquil
250 bgs, Kennedy, Butcher & Co, Guayaquil
150 bgs, General Cocoa Co, Trinidad
250 bgs, Kennedy, Butcher & Co, Trinidad
150 bgs, General Cocoa Co, Trinidad
450 bgs, General Cocoa Co, Trinidad
500 bgs, Kennedy, Butcher & Co, Trinidad

COCONUTS—588 bgs, Universal Import & Export Co, St Lucia
20 bgs, H Schnell, St Lucia
130 bgs, Barclay Bank, St Lucia
50 bgs, Universal Import & Export Co, St Lucia
70 bgs, Barclay Bank, St Lucia
257 bgs, H Schnell & Co, St Lucia
300 bgs, Far Eastern Mfg Co, St Vincent
500 bgs, Universal Import & Export Co, St Vincent
418 bgs, I L Toledano Corp, Cristobal

CORK—4 bgs, Panama R R, Seville
114 bgs, Mundet Cork Corp, Lisbon
12 bgs, Penson & Co, Lisbon

AGLOMARATED—1,500 cs, Armstrong Cork Co, Seville
333 cs, Armstrong Cork Co, Seville

BELLIES—185 bls, Crown Cork & Seal Co, Seville

BOARDS—3,000 cs, 1,850 bls, Mundet Cork Corp, Lisbon
1,000 ctns, R J Goodwin Sons, Lisbon

BURNT—255 bls, Armstrong Cork Co, Seville

SLABS—100 bls, Cork Import Corp, Seville
1,233 bls, Armstrng Cork Co, Seville
185 bls, Cork Import Corp, Seville
30 bls, H Suhl, Seville
50 bls, Wicander & Co, Seville
112 bls, H Suhl, Seville
117 bls, H Suhl, Seville

VIRGIN—1,700 bls, National City Bank, Lisbon
1,395 bls, National City Bank, Lisbon

WASTE—1,346 bls, Mundet Cork Corp, Lisbon
1,139 bls, Armstrong Cork Co, Lisbon
281 bls, Mundet Cork Corp, Lisbon
219 bls, Armstrng Cork Co, Lisbon
375 bls, Mundet Cork Corp, Lisbon
145 bls, Armstrong Cork Co, Seville
2,360 bls, Armstrong Cork Co, Seville
2,978 bls, Armstrong Cork Co, Seville
1,526 bls, Crown Cork & Seal Co, Seville
650 bls, Mundet Cork Corp, Lisbon
20 bls, H Stern, Lisbon
598 bls, Chase Natl Bank, Lisbon
302 bls, Consolidated Cork Corp, Lisbon

WOOD—1,375 bls, Armstrong Cork Co, Seville
2,474 bls, Crown Cork & Seal Co, Seville
413 bls, Armstrong Cork Co, Seville
398 bls, Armstrong Cork Co, Seville
1 bl, American Overocean Corp, Lisbon
245 bls, Okura & Co, Lisbon
265 bls, Armstrong Cork Corp, Lisbon
916 bls, Okura & Co, Lisbon
643 bls, Armstrong Cork Corp, Lisbon
1,007 bls, Wicander & Co, Oporto
240 bls, Mundet Cork Corp, Lisbon

COTTON LINTERS—39 bls, New England Waste Co, Buenos Aires
113 bls, New England Waste Co, Buenos Aires
413 bls, Anderson, Clayton & Co, Cristobal
233 bls, Anderson, Clayton & Co, Cristobal
901 bls, Santos
1,122 bls, Hercules Powder Co, Santos
994 bls, Santos
225 bls, Hercules Powder Co, Santos
1,632 bls, Hercules Powder Co, Santos
1,815 bls, Hercules Powder Co, Santos
547 bls, Santos
1,957 bls, Hercules Powder Co, Santos
750 bls, Santos
1,018 bls, Hercules Powder Co, Santos
300 bls, Coalzacoalcos

DERRIS CHIPS—66 cs, John Powell & Co, Banjoewangi
56 cs, John Powell & Co, Banjoewangi
133 cs, Brown Bros-Harrimann Co, Sourabaya
69 cs, Brown Bros-Harrimann Co, Banjoewangi

ROOT—165 cs, John Powell & Co, Sourabaya

DIVI DIVI—730 bgs, National City Bank, Curacao
680 bgs, Tannin Corp, Curacao
1,212 bgs, Tannin Corp, Aruba
1,360 bgs, Tannin Corp, Maracaibo
4,252 seroons, Walter Philipp, Monte Cristi
781 bgs, Selma Mercantile Corp, Bonaires

DYES ANILIN—84 bbls, Ciba Co, Lisbon
6 cs, Sandoz Chem Works, Lisbon
14 cs, Lansen-Naeve Corp, Lisbon
23 bbls, Draeger Shipping Co, Lisbon
42 bbls, Draeger Shipping Co, Lisbon
72 dms, 1 cs, Ciba Co, Lisbon
7 dms, 1 cs, Wedemann & Godknecht, Lisbon
36 dms, Sandoz Chem Works, Lisbon
10 dms, 1 cs, Draeger Shipping Co, Lisbon
7 bbls, 3 cyls, Rohner-Gehrig & Co, Lisbon
16 cyls, Sandoz Chem Works, Lisbon
42 pkgs, Sandoz Chem Works, Lisbon
54 dms, New York & Cuba Mail S S Co, Lisbon

ERGOT—20 cs, E R Squibb & Sons, Lisbon

FENNEL SEED—27 bgs, R J Prentiss & Co, Buenos Aires

FISH MEAL—1,932 bgs, Marine Midland Trust Co, Lisbon
1,817 bgs, Marine Midland Trust Co, Lisbon
1,250 bgs, Marine Midland Trust Co, Lisbon

FLAXSEED—2,354 tons, 94,160 bus, Bunge North American Grain Co, Buenos Aires
2,672 bgs, 5,878 bus, Bunge North American Grain Co, Buenos Aires

GINGER ROOT—40 bgs, Stickney & Poor Spice Co, Kingston
31 bgs, Van Norden & Archibald, Kingston

GLANDS—29 cs Montevideo
27 cs Montevideo

GLUE—336 bgs, Biological Raw Product Co, Buenos Aires
112 bgs Biological Raw Product Co, Buenos Aires

HIDE—100 bgs, Transatlantic Animal By Product Corp, Buenos Aires

GLUESTOCK—203 bls, Chase National Bank, Buenos Aires
53 bls, Manufacturers Trust Co, Buenos Aires
36 bls, Manufacturers Trust Co, Buenos Aires

GOLD LEAF—4 cs, B F Drakenfeld & Co, Osaka

GUAIAC EXTRACT—3 cs, Buenos Aires

GUM, CHICLE—1,396 bls, Mexican Exploitation Corp, Vera Cruz
114 bls, Mexican Exploitation Corp, Progreso
352 bls, Mexican Exploitation Corp, Progreso

COPAL—208 bskts, Thurston & Braidich, Macassar
218 bskts, Far Eastern Representatives, Macassar
191 bskts, American Cyanamid & Chem Co, Macassar
219 bskts, Van Norden & Archibald, Macassar
61 bskts, W H Scheel, Macassar
125 bgs, O G Innes Corp, Macassar
216 bskts, W H Scheel, Macassar
169 bskts, W H Scheel, Macassar
200 bskts, O G Innes Corp, Macassar

DAMMAR—150 cs, Thurston & Braidich, Batavia
200 cs, Thurston & Braidich, Batavia
142 cs, Thurston & Braidich, Batavia
256 bgs, Sino Java Hvg, Macassar
150 cs, G W S Patterson & Co, Singapore
100 cs, H P Winter & Co, Batavia
100 cs, Irving Trust Co, Batavia
100 cs, Thurston & Braidich, Batavia

TRAGACANTH—42 cs, Thurston & Braidich, Magaya
228 bgs, E Meer & Co, Magaya

HERBS—2 bls, S B Penick & Co, Buenos Aires
5 cs, S B Penick & Co, Buenos Aires
57 bls, R J Prentiss & Co, Buenos Aires

INDIGO PASTE—20 bbls, Ciba Co, Lisbon

IPECAC ROOT—10 bgs, S B Penick & Co, Rio Janeiro
5 bls, Edmond Well, Inc, Rio Janeiro
13 bgs, National City Bank, Rio Janeiro

JALAP ROOT—24 bgs, F W Pabst, Vera Cruz

MACE—65 cs, Catz American Co, Macassar
20 cs, Catz American Co, Macassar

MANGROVE BARK—1,450 bgs, Barkey Import Co, Zanzibar

MANIOC FLOUR—418 bgs, Bank of New York, Rio Janeiro
417 bgs, Bank of New York, Rio Janeiro

PRODUCT—1 bx, American Sales Research Corp, Santos

MARJORAM LEAVES—92 bls, E E Marks & Co, Arica
65 bls, Talcahuano

MATCHES, SAFETY — 852 cs, Atlantic Freighting Co, Oporto

MATE—17 cyls, International Mate Co, Buenos Aires

MEDICINAL PREPS—6 cs, E Fougera & Co, Buenos Aires
62 cs, D C Andrews & Co, Santos
2 cs, Garcia & Fabrigos, Rio Janeiro
20 cs, D C Andrews & Co, Rio Janeiro
3 cs, E Fougera & Co, Vera Cruz
6 cs, D C Andrews & Co, Buenos Aires

MENTHOL—25 cs, Bridges, Neumer & Co, Kobe

MICA—96 cs, Flomarcy Co, Victoria
18 cs, American Mica Works, Victoria
64 cs, Silvio Gaguine, Buenos Aires
68 cs, Ford Radio & Mica Corp, Rio Janeiro
4 cs, H R Benedict & Son, Rio Janeiro
8 cs, American Trade Development Co, Rio Janeiro
32 cs, Eugene Munsell & Co, Rio Janeiro
20 cs, Ford Radio & Mica Corp, Rio Janeiro
22 cs, Eugene Munsell & Co, Rio Janeiro

MUSTARD SEED—311 bgs, Arnhold & Co, Tientsin

NAPHTHA — 1 cs, D F Sallows, Rio de Janeiro

NUTMEGS—100 bgs, Thomas Scott & Co, Grenada
100 bgs, A G Dunn, Grenada
50 bgs, Van Norden & Archibald, Grenada
150 bgs, Thomas Scott & Co, Grenada
100 bgs, Middleton & Co, Grenada
30 bgs, Van Norden & Archibald
50 bgs, Middleton & Co, Grenada
91 bgs, Catz American Co, Macassar
80 cs, Catz American Co, Macassar
200 bgs, Catz American Co, Macassar
87 cs, Catz American Co, Macassar
160 cs, Chase National Bank, Belawan Deli

OIL, BAY—10 cs, Barclay Bank, Roseau

CAJEPUT—1 dm, Continental Bank Trust Co, Batavia

CANANGA—1 dm, Manufacturers Trust Co, Batavia
1 dm, Chase National Bank, Batavia

CHINAWOOD—683 tons, Universal Trading Co, Hongkong

CITRONELLA—19 dms, Catz American Co, Batavia
90 dms, Stein, Hall & Co, Batavia
10 dms, Irving Trust Co, Batavia
59 dms, Guaranty Trust Co, Batavia
58 dms, National City Bank, Batavia
10 dms, Irving Trust Co, Batavia
13 dms, Irving Trust Co, Batavia
74 dms, Irving Trust Co, Batavia

COD—17 dms, Canada
70 cks, Canada

CODLIVER—30 dms, Vitamerican Oil Co, Yokohama
20 dms, Vitamerican Oil Co, Yokohama

EUCALYPTUS—10 dms, Geo Uhe Co, Lisbon

FIR—10 dms, General Drug Co, Kobe

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

JASMINE—5 pkgs, American Iraq Shipping Co, Busreh

LEMONGRASS—4 dms, Magnus, Mabee & Reynard, Cristobal

LIME, DIST—17 dms, Dodge & Olcott Co, Trinidad
30 cs, Dodge & Olcott Co, Trinidad
3 dms, 1 cs, Trinidad

LIME, EXPRESSED—6 cs, Ungerer & Co, St Lucia

LENSEED—25 dms, Buenos Aires

OLIVE—1,275 dms, Toledano & Pinto, Tangier
609 dms, Toledano & Pinto, Tangier

PALM — 245 tons, Banque Belge pour l'Etranger, Belawan Deli
252 tons, Banque Belge pour l'Etranger, Belawan Deli

PATCHOULI—1 dm, Irving Trust Co, Batavia
1 dm, Guaranty Trust Co, Batavia
6 dms, Manufacturers Trust Co, Batavia
1 dm, Batavia

PETITGRAIN—6 dms, Buenos Aires
17 dms, Gondrand Shipping Co, Buenos Aires
4 dms, Buenos Aires
50 cs, Guaranty Trust Co, Buenos Aires

RESIDUE — 104 dms, Asiatic Petroleum Corp, Curacao

ROSE—11 dms, Allondon Bayonne, Rio Janeiro

VEGETABLE—15 dms, Leghorn Trading Co, Buenos Aires

VETIVER—2 dms, National City Bank, Batavia
2 dms, Continental Bank Trust Co, Batavia
1 dm, Bank of Manhattan, Batavia

ORANGE PEEL—25 bgs, Transmarine Mercantile Corp, Cape Haitien
117 bgs, Causse Mfg & Import Co, Cape Haitien

PAPRIKA—50 bgs, Safe Owl Product Co, Inc, Lisbon
50 bgs, Archibald & Kendall, Inc, Lisbon
19 bgs, Buenos Aires
128 bgs, J B de Macedo & Stock, Inc, Lisbon
50 bgs, Manufacturers Trust Co, Lisbon
132 bgs, Continental Importing Co, Lisbon
220 bgs, Manufacturers Trust Co, Lisbon
200 bgs, Manufacturers Trust Co, Lisbon
86 bgs, Lisbon
300 bgs, Lisbon

PARAFFIN—800 bgs, Asiatic Petroleum Corp, Balik Papan

PEPPER, BLACK—450 bgs, Irving Trust Co, Oosthaven
WHITE—252 bgs, Irving Trust Co, Oosthaven
81 bgs, National City Bank, Batoerorsa
162 bgs, National City Bank, Batavia

PETROLEUM, CRUDE—94,268 bbls, Warners Holanda Corp, Tampico

PLANTS, MED—4 cs, Domenico d Angiola, Lisbon

PYRETHRUM FLOWERS—60 bls, McLaughlin, Gormley & King, Mombasa

PYRITES—1 cs, J W Ellwell & Co, Lisbon
1,480 bgs, Flomarcy Co, Inc, Oporto

QUASSIA CHIPS—500 bgs, R J Prentiss & Co, Kingston

QUEBRACHO EXTRACT—1,085 bgs, Tannin Corp, Buenos Aires
1,000 bgs, International Product Corp, Buenos Aires
500 bgs, Tannin Corp, Buenos Aires
500 bgs, International Product Corp, Buenos Aires
70 pkgs, Tannin Corp, Buenos Aires

QUININE SULPHATE—112 cs, Guaranty Trust Co, Batavia
7 cs, Batavia

RAPESEED—340 bgs, H S Cramer & Co, Buenos Aires
284 bgs, Catz American Co, Buenos Aires
192 bgs, A G Dunn, Buenos Aires

ROCK CRYSTALS—5 cs, National City Bank, Rio Janeiro
9 cs, Southern Cross Trading Co, Rio Janeiro
18 cs, Milton Snedeker Corp, Rio Janeiro

SCHEELITE—50 dms, Chase National Bank, Buenos Aires

SOAP BARK—311 bls, W R Grace & Co, Valparaiso
232 bls, Duncan Fox & Co, Dalcahuano

SPONGES—16 bls, American Sponge & Chamois Co, Havana
18 bls, Havana
12 bls, New York & Cuba Mail S S Co, Havana

SUNFLOWER SEED—400 bgs, Levy Levis Co, Buenos Aires

TANKAGE—1,068 bgs, Buenos Aires

TANTALITE—3 bgs, Watson-Geach & Co, Africa

TAPIOCA FLOUR—500 bgs, Rutger-Bleecker & Co, Cheribon
250 bgs, Stein-Hall & Co, Cheribon
1,000 bgs, Stein-Hall & Co, Tjilatjab
252 bgs, Rutger-Bleecker & Co, Cheribon
544 bgs, Stein-Hall & Co, Cheribon
250 bgs, American Cyanamid & Chem Co, Cheribon
1,257 bgs, Stein-Hall & Co, Tjilatjap
250 bgs, Rutger-Bleecker & Co, Cheribon
1,200 bgs, Stein-Hall & Co, Tjilatjap
1,104 bgs, Stein-Hall & Co, Tjilatjap
503 bgs, H P Winter & Co, Batavia
810 bgs, Stein-Hall & Co, Batavia
1,330 bgs, Stein-Hall & Co, Tjilatjap
661 bgs, Stein-Hall Co, Batavia
1,131 bgs, Stein-Hall & Co, Tjilatjap
1,500 bgs, Stein-Hall & Co, Tjilatjap
2,750 bgs, Stein-Hall & Co, Batavia
3,063 bgs, Corn Product Refg Co, Pto Plata
583 bgs, Corn Product Refg Co, Pto Plata
1,190 bgs, Corn Product Refg Co, Pto Plata
650 bgs, Irving Trust Co, Sourabaya
500 bgs, Cheribon
1,000 bgs, Irving Trust Co, Sourabaya
1,005 bgs, Cheribon
7 pkgs, Sino Java Hvg, Cheribon
750 bgs, Cheribon

TARTAR—285 bgs, Standard Brands, Lisbon
250 bgs, Standard Brands, Oporto
180 bgs, Standard Brands, Lisbon

TIN ORE—900 bgs, Coatzacoalcos

TOLU BALSAM—50 cs, Wessel, Duval & Co, Barranquilla
25 cs, Distributing & Trading Co, Barranquilla

TONKA BEANS—8 bbls, Rio de Janeiro

TUNGSTEN CONC—100 bgs, Philipp Bros, Durban

VANILLA BEANS — 3 cs, Barclay Bank, Roseau
28 cs, Thurston & Braidich, Vera Cruz
10 cs, Geo Lueders & Co, Vera Cruz
10 cs, W J Bush & Co, Vera Cruz
18 cs, Norda Essential Oil & Chem Co, Vera Cruz
10 cs, New York & Cuba Mail S S Co, Vera Cruz
21 cs, McCormick & Co, Vera Cruz
19 cs, Dodge & Olcott Co, Vera Cruz
92 cs, F Huber & Co, Vera Cruz
82 cs, Norda Essential Oil & Chem Co, Vera Cruz
36 cs, New York & Cuba Mail S S Co, Vera Cruz
WAX, BEES—4 butts, Transmarine Mercantile Corp, Cape Haitien
162 bgs, W R Grace & Co, Valparaiso
7 bgs, Island Comm'l Co, Callao
19 bgs, F B Ross Co, Puerto Barrios
4 bls, F B Ross Co, Puerto Barrios
160 bgs, Santos
80 bgs, D Steengrafe, Santos
51 bgs, Schnatte & Focke, Trujillo
16 bgs, Lenape Trading Co, Trujillo
9 bgs, Mecke & Co, Trujillo
48 bgs, Irving Trust Co, Trujillo
10 bgs, Jose Armentenos, San Pedro de Macoris
27 seroons, Porcella Vicini & Co, Puerto Plata
16 seroons, Agruba Trading Co, Puerto Plata
20 bgs, Port au Prince
3 seroons, Porcella Vicini & Co, Monte Cristi
CARNAUBA—33 bgs, American Cyanamid & Chem Co, Rio de Janeiro
34 bgs, Strabl & Pitsch, Rio de Janeiro
56 bgs, Innis, Speiden & Co, Rio de Janeiro
111 bgs, American Cyanamid & Chem Co, Rio de Janeiro
67 bgs, Strabl & Pitsch, Rio de Janeiro
36 bgs, Strohmeyer & Arpe Co, Rio de Janeiro
56 bgs, Innis, Speiden & Co, Rio de Janeiro
167 bgs, S C Johnson, Rio de Janeiro
313 bgs, Strohmeyer & Arpe Co, Para
188 bgs, Strohmeyer & Arpe Co, Para
25 bgs, Strohmeyer & Arpe Co, Para
251 bgs, W M Allison & Co, Para
MONTAN—200 bgs, Innis, Speiden & Co, Lisbon
WINE LEES—288 bgs, Lisbon
300 bgs, Lisbon
100 bgs, Lisbon
562 bgs, Standard Brands, Lisbon
405 bgs, Standard Brands, Oporto
WOLFRAM, CONC—400 bgs, Capetown
ORE—60 bgs, Lavino Shipping Co, Oporto
16 bbls, Lavino Shipping Co, Oporto
YEAST — 1 pkg, Pan American Standard Brands, Barranquilla

New York Transit Imports

AGAR—10 bls, W J Bush & Co, Kobe, Montreal
BEEF EXTRACT—37 cs, Watt & Scott, Buenos Aires, Toronto
BRONZE LEAF—5 cs, M Swift & Son, Kobe, Hartford, Conn
CASEIN—500 bgs, Canadian Color & Chem Co, Buenos Aires, Toronto
84 bgs, Canadian Color & Chem Co, Buenos Aires, Toronto
GLANDS, OPOTORAPIC—36 cs, S S Svendsen, Montevideo, Chicago
SUPRARENAL—12 cs, Parke, Davis & Co, Montevideo, Detroit
MANIOC PROD—2 bxs, Carles Spaventa, Santos, Pennsylvania
MUSTARD SEED—101 bgs, Tientsin, Hamilton
280 bgs, Tientsin, Hamilton
67 bgs, Tientsin, Hamilton
QUEBRACHO EXTRACT—2,000 bgs, International Product Corp, Buenos Aires, London
2,174 bgs, Tannin Corp, Buenos Aires, Acton, Ont
2,173 bgs, Tannin Corp, Buenos Aires, Huntsville, Ont
VANILLA BEANS—21 cs, Zink & Triest, Vera Cruz, Philadelphia

Baltimore Imports

CHROME ORE—3,000 tons, Santa Cruz
COPRA—3,400 tons, Cebu
ILMENITE SAND—5,750 tons, Koilthottam
IRON ORE—5,700 tons, Bethlehem Steel Co, Daiquiri
21,800 tons, Bethlehem Steel Co, Cruz Grande
MAGNESITE ORE—20,420 bgs, Dairen
MANGANESE ORE—7,700 tons, Takoradi
2,000 tons, Rio Janeiro
MOLASSES—877,284 gls, Cuba Distilling Co, Barahona
540,380 gls, Cuba Distilling Co, Macoris
1,034,460 gls, Cuba Distilling Co, Antilla
353,543 gls, Cuba Distilling Co, Nuevitas
OIL, FUEL—98,000 bbls, Standard Oil Co, N J, Aruba
128,858 bbls, Standard Oil Co N J, Aruba

Boston Imports

AGAR—10 bls, H A Johnson Co, Kobe
OIL, PALM—1,300 tons, Belawan Deli

Charleston Imports

TAPIOSA FLOUR—100 bgs, Irving Trust Co, Cheribon
WAX VEGETABLE—100 cs, Paul A Dunkel & Co, Kobe

Houston Imports

COTTON LINTERS—1,882 bls, West Texas Cotton Oil Co, Santos
SOAPSTOCK—122 bbls, West Texas Cottonoil Co, Buenos Aires
120 bbls, West Texas Cottonoil Co, Buenos Aires

Los Angeles Imports

AMMONIA SULPHATE—5,900 bgs, 1,020,000 lbs, Trail
ANTIMONY ORE—85,000 lbs, Iguala
APRICOT KERNELS—320 lbs, Hongkong
BONEMEAL—4,000 sx, 400,000 lbs, Tsingtao
500 sx, 51,520 lbs, Tientsin
CASSIA—208 bls, 22,100 lbs, Padang
CHINA CLAY—1,500 bgs, 300,000 lbs, St Austell
COCONUTS—192 bgs, 26,880 lbs, Colon
125 bgs, 14,000 lbs, Cristobal
COPRA MEAL—11,000 bgs, 1,110,000 lbs, Cebu
7,000 bgs, 700,000 lbs, Manila
9,560 sx, 1,496,000 lbs, Manila
DRUGS, CRUDE—360 lbs, Osaka
FISH LIVERS—108 tins, 4,320 lbs, Japan
GINGER ROOT—58 bgs, 11,190 lbs, Kingston
MEDICINAL PREPS—270 lbs, Shanghai
OIL, PEANUT—3,020 lbs, Hongkong
PARAFFIN—480 pkgs, 67,200 lbs, Sourabaya
PEPPER, BLACK—450 bgs, 68,000 lbs, Semarang
RICE FLOUR—400 lbs, Hongkong
160 lbs, Hongkong
TAPIOCA FLOUR—900 bgs, 180,000 lbs, Batavia
250 bgs, 54,200 lbs, Batavia
1,580 lbs, Hongkong

New Orleans Imports

CACOA BEANS—69 tons, Bocas del Toro
COCONUTS—22 tons, Belize
GUM, CHICLE—51 tons, Belize
19 tons, Puerto Barrios

Newport News Imports

BAUXITE—2,915 tons, Aluminum Ore Co, Georgetown

Norfolk Imports

BLOOD, DRIED—1,001 bgs, Buenos Aires
1,000 bgs, Buenos Aires
BONES—512 bgs, Buenos Aires
436 bgs, Buenos Aires
470 bgs, Buenos Aires
546 bgs, Buenos Aires
3,217 bgs, Buenos Aires
FISH MEAL—600 bgs, J C Jett & Co, Buenos Aires
TAPIOCA FLOUR—750 bgs, Irving Trust Co, Sourabaya
500 bgs, Cheribon
1,000 bgs, Irving Trust Co, Cheribon
250 bgs, Cheribon
WATTLE BARK EXTRACT — 1,030 bgs, Tannin Corp, Durban

Philadelphia Imports

CHROME ORE—1,000 tons, Beira
2,000 tons, Masinloc
CORK, BURNT—255 bls, Armstrong Cork Co, Seville
SLABS—1,233 bls, Armstrong Cork Co, Seville
285 bls, Cork Import Co, Seville
WASTE—5,481 bls, Armstrong Cork Co, Seville
WOOD—2,186 bls, Armstrong Cork Co, Seville
FLAXSEED—3,928 bgs, Buenos Aires
MANGANESE ORE—7,200 tons, Durban
MOLASSES—11,387 gross tons, E I Du Pont de Nemours & Co, Neuvitas and Metanzas
1,377,268 gls, Publicker Alcohol Corp, Manzanilla
1,014,896 gls, Pennsylvania Sugar Refining Co, Port au Prince
45,188 gls, Pennsylvania Sugar Refining Co, Guantanamo
OIL, OITICICA—136 dms, Ceara
SASSAFRAS—25 dms, Irving Trust Co, Kobe
PETROLEUM, CRUDE—108,716 bbls, Gulf Oil Corp, Las Piedras
98,923 bbls, Gulf Oil Corp, Puerto la Cruz
122,328 bbls, Gulf Oil Corp, Puerto la Cruz
79,349 bbls, Atlantic Refining Co, Cumarebo
100,000 bbls, Sun Oil Co, Aruba
WAX, CARNAUBA—56 bgs, Ceara

Savannah Imports

TAPIOCA FLOUR—250 bgs, Irving Trust Co, Batavia

San Francisco Imports

CHILLIES—100 bgs, S L Jones & Co, Kobe

Wilmington Imports

QUEBRACHO EXTRACT—16,574 bgs, Tannin Corp, Buenos Aires
WOOD—2,212 pcs, Tannin Corp, Buenos Aires

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetics act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended April 9

Cassia oil, 10 drums; not U.S.P.
Cod oil, 30 casks; restricted use.
Coriander seed, 100 bags; filthy.
Marjoram, 92 bags; filthy.
Nutmegs, 351 bags; restricted use.
Medicinal preparations, 1 parcel; new drug.
Medicinal preparations, 1 parcel; false therapeutic claims.
Medicinal preparations, 1 parcel; new drug; dangerous drug.
Medicinal preparations, 3 parcels; false therapeutic claims; new drug; dangerous drug.
Sassafras oil, 25 drums; not U.S.P.
Thyme leaves, 64 bales; dirty.

Boston

Week Ended April 9

Mustard bran, 492 bags; filthy.

Baltimore

Week Ended April 9

Fertilizer mixture, 5 bags; restricted use.

Denver

Week Ended April 3

Hair dye, 22 pieces; dangerous coaltar dye and no warning statement.

Los Angeles

Week Ended April 3

Chilies, dried, 5,980 pounds; moldy.
Medicinals, 408 pieces; false therapeutic claims.
Medicinals, 60 pieces; omission of mandatory labeling.
Medicinals, 50 pieces; dangerous to health.

Philadelphia

Week Ended April 9

Medicinal preparations, 1 parcel; false therapeutic claims; new drug.

Seattle

Week Ended April 3

Medicinals, 78 pieces; false therapeutic claims.
Medicinals, 34 pieces; omission of mandatory labeling.
Shampoo powder, 8 pieces; false claims; common names of ingredients not stated.

San Francisco

Week Ended April 3

Medicinals, 5,500 pieces; false therapeutic claims.
Medicinals, 1,200 pieces; omission of mandatory labeling.

Exports from U.S. Ports

Los Angeles Exports

ACETONE—1,790 lbs, Quito
ALCOHOL, ETHYL—545 dms, 203,830 lbs, Cristobal
AMYLENE ALKYLATE—1 dm, 300 lbs, Curacao
ASPHALT, LIQ—100 dms, 36,000 lbs, Panama City
CARBON DIOXIDE—100 lbs, Ras Tanura
BORAX—157 cs, 15,700 lbs, Madras; 710 pkgs, 79,520 lbs, Bombay; 10 bgs, 1,120 lbs, Wellington
CEMENT, RUBBER—90 lbs, Panama City
CLAY, FILTER—149 bgs, 8,000 lbs, Puerto Cabello
GROUND—440 bgs, 44,000 lbs, Babo
CLEANER—50 lbs, Mexico City; 110 lbs, Mexico
CUMIN SEED—2,750 lbs, Havana
DIATOMACEOUS EARTH—2,000 sx, 200,000 lbs, Central Hershey; 982 bgs, 98,200 lbs, Auckland; 801 bgs, 23,320 lbs, Wellington
GASOLINE—103,372 bbls, Tokuyama
GREASE—2 cs, 80 lbs, Wellington; 57 pkgs, 5,810 lbs, Batavia; 7 pkgs, 820 lbs, Semarang; 8 pkgs, 980 lbs, Sourabaya
HOP ROOTS—30 bls, Bogota
LACQUER—2,950 lbs, Panama City; 20 lbs, Ras Tamura
LARD, REFD—1,600 bbls, 611,470 lbs, Yokohama; 4,100 bbls, 1,584,530 lbs, Yokohama
MINERAL SPTS—20 dms, 7,100 lbs, Balboa; 100 cs, 6,820 lbs, Panama
NAPHTHA—10 dms, Vancouver
OIL, DIESEL—29,160 bbls, Vancouver; 9,639 bbls, Wellington; 34,830 bbls, Tsurumi
FUEL—1,502 bbls, Puerto Armuelles; 49,996 bbls, Tocopilla; 41,979 bbls, Chanaral; 52,122 bbls, Vancouver; 8,927 bbls, Wellington; 58,544 bbls, Tsurumi; 23,881 bbls, Niigata
FUSEL—4 dms, 1,410 lbs, Osaka
LUBRICATING—205 pkgs, Wellington; 168 pkgs, Batavia; 66 pkgs, Semarang; 148 pkgs, Sourabaya
PALM, HYDROG—275 bgs, 44,000 lbs, Puerto Cabello; 800 bgs, 80,000 lbs, Sourabaya
OXIDIZING AGENT—4,130 lbs, Corinto
PAINT—1,950 lbs, Panama City; 3,260 lbs, Callao; 4,280 lbs, Lima
REMOVER—50 lbs, Panama City
PEPPER—7,020 lbs, Havana
PUTTY—100 lbs, Panama City
SOAP, POWDER—30 bgs, 4,500 lb., Havana
SODA BICARBONATE—110 bgs, 11,000 lbs, Cartagena
ZINC CHLORATE COMP—100 lbs, Tandjong Priok

New Orleans Exports

ACID, STEARIC—10 tons, Vera Cruz
AMMONIA, ANHYD—10 tons, Vera Cruz
ASPHALT—45 tons, West Coast South America
CELLULOSE—410 tons, Cristobal
DISTILLATE—11 tons, Celba
EPSOM SALT—19 tons, Vera Cruz
GASOLINE—109 tons, Belize; 86 tons, Puerto Barrios; 17 tons, Bluefields; 100 tons, Celba
AVIATION—21 tons, Puerto Cortes
KEROSENE—154 tons, Puerto Barrios; 2 dms, Celba
LARD—143 tons, Santiago; 94 tons, Havana; 15 tons, Puerto Limon; 18 tons, Cristobal; 25 tons, Panama City
LIME—500 tons, Celba
HYDRATED—75 tons, Kingston
LITHOPONE—26 tons, Havana
OIL, DIESEL—19 tons, Puerto Cortes; 59 tons, Belize; 12 tons, Bluefields; 189 tons, Celba; 72 tons, Puerto Cabezas
FUEL—273 tons, Celba
GAS—49 tons, Belize
LUBRICATING—28 tons, Belize; 33 tons, Cristobal; 14 tons, Puerto Limon; 21 tons, Puerto Cabezas
PARAFFIN—79 tons, West Coast South America; 197 tons, Vera Cruz
QUEBRACHO EXTRACT—32 tons, Havana
QUICKLIME—10 tons, Cristobal
ROSIN—18 tons, Puerto Limon; 65 tons, West Coast South America
SALT—25 tons, Belize; 26 tons, Bluefields; 67 tons, Havana
STEARIN—20 tons, Vera Cruz
SUPERPHOSPHATE—37 tons, Puerto Barrios
TURPENTINE—9 tons, West Coast South America
WOOD PRESERVING SALTS—12 tons, Celba
ZINC OXIDE—21 tons, Havana

Philadelphia Exports

ACID, FORMIC—30 cbys, Rio de Janeiro; 50 cbys, Santos
BENZOL—96 dms, Rio de Janeiro
DYEWOOD EXTRACT—20 dms, Santos
GASOLINE—300 dms, Cabedello
GREASE—5 dms, Fortalena
LICORICE PASTE—30 cs, Rio de Janeiro
OIL, LUBRIC—140 dms, 75 cs, Cabedello; 270 dms, Pernambuco; 15 dms, 4 ctns, Rio de Janeiro; 20 dms, Santos; 453 dms, Pernambuco; 86 dms, Fortalena; 3 bbls, 13 dms, 20 cs, Maceio; 170 cs, Para

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Oil Seeds:—The importation into Sweden of oilseeds, and of vegetable and animal oils and fats, has been made subject to license.

Packaged Foods: — The Mexican regulations governing the registration of packaged foods and beverages with the Department of Public Health, and the use of coloring matters, artificial flavorings, etc., have been revised by a Mexican regulatory decree, effective April 4. Amplified standards of purity have also been fixed for alcoholic and non-alcoholic beverages, oils and fats, canned and preserved foods, silk and derivative products, coffee, tea, and chocolate.

Paints:—Germany has restricted the use of paints, lacquers, primers, and putties, which contain vegetable and animal oils and fats and their fatty acids; synthetic fatty acids, varnishes, stand oils, tall oils and derivatives; lacquer raw materials and intermediates, such as binders and synthetic resins, made with such materials.

Pharmaceutical Products: — Peru plans a review of existing import duties on pharmaceutical products, as well as on prime materials utilized in the domestic pharmaceutical industry, by a commission which is to be appointed by the Peruvian Ministry of Public Health.

Tanning Bark:—Slovakian export fees for tanning barks have been fixed at 0.50 crown per 100 kilograms.

Urea:—Uruguay has included urea for use in manufacturing vulcanized rubber shoes within the raw materials section of the tariff, dutiable at 5 percent, plus a surtax of 4 percent.

Vanilla Beans:—French Oceania special "war" export tax on vanilla beans has been levied at the rate of 36.67 francs per kilogram.

Foreign Trade Openings

Corrèspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Castor oil:—Toronto, Canada; purchase (630).

Neatsfoot oil:—Oporto, Portugal; purchase (637).

Rubber pigments: — Barcelona, Spain; purchase (629).

Rosin:—Dublin, Ireland; purchase (622).

Turpentine:—Dublin, Ireland; purchase (622).

Luster-Rite Enameling Company is the firm name under which B. L. McLain and Theodore N. McLain have obtained a certificate to conduct business at 2615 Arvia street, Los Angeles, Calif.

CLEANING MILLING
GUMS, DRUGS
FOOD PRODUCTS
To
Your Specifications
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Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Capital Offered

CHEMISTS, ATTENTION:—Will manufacture, finance and merchandise any new products; well established and reliable company seeking new materials. Many outlets. BOX 102, Oil, Paint and Drug Reporter.

Capital Wanted

SMALL CHEMICAL plant (calcium-magnesium compounds) needs to install additional equipment. Will make attractive offer for $10,000 to $15,000 assistance. BOX 124, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40 gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

SPECIALS FROM stock:—Two Patterson 1,000 gal. mixing tanks; three 8 and 40 gal. pony mixers; pebble and ball mills, laboratory to 1,000 gals.; three 8 in. laboratory stone mills; colloid mills; Shriver 30 in. steam jacketed filter press; five 26 in. stone mills with iron mill feeds; Day jumbo mixer, 680 gals.; filter presses, 12 in. to 36 in., cast iron and wood; dry powder mixers; vacuum pans, etc. Send for our bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR SALE:—214 H. P. H.W.T. boiler, price $3,500. P. S. Kramer, tar refiner, 7 Smith street, Paterson, N. J.

JAR MILLS, one and four gallon; pebble mills, 25, 50 and 100 gallons; Colton rotary tablet machine, 50 gallon dough mixer; 18 in. mushroom mill; 300 gallon rubber lined vacuum kettle. Lawler Company, Metuchen, N. J.

FOR SALE:—Holly pneumatic blower system for unloading finely powdered material from cars or boats including seventy feet screw conveyor. Driven by 49 H.P. Wisconsin gasoline engine rated capacity 10 tons per hour. All in good condition. Can be seen at 285 Green street, Brooklyn, N. Y., Tex-ite Products Co. Tel. EVergreen 9-5858.

Equipment Wanted

WANTED — For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizers. No dealers. BOX 113, Oil, Paint and Drug Reporter.

WANTED—Rotary dryers, U. S. furnaces, melting pots, molds, cyclons, dust collectors, foundry and laboratory equipment. Gulton Metal Refining & Chemical Corporation, Durham avenue, Metuchen, N. J.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 113, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, 75 x 100, concrete floor 18 to 20 ft. headroom, sprinkler system, live steam available 24 hours per day, railroad siding. Unrestricted district in Brooklyn. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Location Wanted

WANTED—Location about 6,000 sq. feet for manufacturing chemicals in unrestricted area New York or New Jersey. BOX 128, Oil, Paint and Drug Reporter.

Materials Offered

OXALIC ACID, 25 barrels. State offer for whole or part. BOX 131, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

HERE IS an opportunity for an active pushing, clever person well acquainted with ores or metals or chemical dealings whose personal initiative should justify his entering into participation with a very reputable and financially strong concern. Write in confidence. BOX 112, Oil, Paint and Drug Reporter.

EXPERIENCED FOREMAN wanted to take complete charge of pharmaceutical tablet and pill department. State full particulars. BOX 121, Oil, Paint and Drug Reporter.

PHARMACEUTICAL CONTROL chemist with some experience in drug analysis. Christian. Moderate salary to start with an excellent future. Give full personal data, academic and practical training, references, photograph and salary expected. New York registered pharmacist preferred. BOX 123, Oil, Paint and Drug Reporter.

CHEMICAL SALESMAN, experienced, wanted, Gentile, age late twenties or early thirties, for Metropolitan New York area by old established chemical manufacturing firm; state qualifications. BOX 129, Oil, Paint and Drug Reporter.

YOUNG MAN, preferably married, Gentile, wanted for sales staff in New York area by old established chemical manufacturing firm. BOX 130, Oil, Paint and Drug Reporter.

Positions Wanted

EXECUTIVE CHEMIST with money making accomplishments in chemical and pharmaceutical fields, available May 1. Qualified by extensive experience and training for development, sales promotion, customer relations, production, and purchasing work. Capable of handling the unusual problem. Permanent connection desired. Interviews strictly confidential. BOX 104, Oil, Paint and Drug Reporter.

POSITION WANTED by man with 20 years' experience in various branches of the chemical industry. Qualified by chemical background, technical experience and sales development work covering gums, resins, pigments and other chemical raw materials. BOX 120, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST, B.S. candidate for M.S., five years varied pharmaceutical analytical experience. Some development and plant experience. Thorough organic, inorganic, analytical, physical and biological background. References. Married. Employed. Available on short notice. BOX 122, Oil, Paint and Drug Reporter.

THOROUGHLY TRAINED wholesale drug and sundries man desires position where he could render real service in pricing, buying or department managing. Married, good disposition, temperate and like to work hard. BOX 125, Oil, Paint and Drug Reporter.

TABLET MAKER, expert, desires permanent connection with responsible firm. Several years experience with internationally known laboratories. Will furnish best references as to character and ability upon request. BOX 126, Oil, Paint and Drug Reporter.

EXPORT PHARMACEUTICAL executive type, American, 41, with twenty years' experience, particularly South America, as branch manager, manufacturer, sales and advertising. Thorough knowledge Spanish, willing to travel. Pharmaceutical degree. BOX 127, Oil, Paint and Drug Reporter.

Services Offered

WE WILL reserve a reasonable share of profit, will finance and look after any serious transactions in metal, mineral, chemical which will be suggested to us. BOX 101, Oil, Paint and Drug Reporter.

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

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FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Bids Wanted

Alcohol:—30,000 gallons; General Purchasing Officer, The Panama Canal, Washington; schedule 4988, opening April 18.

Calomel:—1,005 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2024, opening April 15.

Diphenylamine:—30,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2027, opening April 16.

Drugs:—Jobbing quantities; Treasury Department, 410 Century Building, Indianapolis, Ind.; invitation 22127, opening April 16.

Ferromolybdenum:—14,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6247, opening April 18.

Ferrovanadium:—3,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6248, opening April 18.

Fuel Oil:—Supplies of; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6345, opening May 1.
900,000 barrels; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6291, opening April 17.

Magnesium Powder:—1,350 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2068, opening April 22.

Lubricating Grease:—Supplies of; Contracting Officer, Material Division, Wright Field, Dayton; circular 1848, opening April 21.

Magnesium Silicate:—500,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6355, opening April 15.

Salt, Rock:—80,000 pounds; Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Tex.; invitation 503-311, opening April 15.

Soap:—Supplies of; Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Tex.; invitation 503-313, opening April 30.
Supplies of; General Purchasing Officer, Panama Canal, Washington; schedule 5017, opening April 25.

Soda Phosphate:—20,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5017, opening April 25.

Titanium Dioxide:—1,000,000 pounds for Norfolk, Va.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6355, opening April 15.

Trichlorethylene:—1,360 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6275, opening April 25.

Trinitrophenylmethylnitramine: — 500,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 6302, opening April 29.

Trade Association Action Essential

—Continued from page 5

duction and price, can hardly be deemed a restraint of commerce, or, if so, it cannot be said to be an unreasonable restraint, or in any way unlawful, in the opinion of the Supreme Court of the United States.

As clear as these principles seem to be on their face, businessmen who are members of trade associations know from their experience in trade association work that if a plan to exchange statistical information to enable them to realize a better price for their product because of better knowledge of values and general business conditions should be used, only as a subterfuge to raise prices or control production, or is subject to an interpretation that the plan is so utilized, it will be condemned as illegal.

Trade associations engaged in gathering and distributing any type of statistics should confer with their legal counsel regarding the everyday use of such data. This practice assures the members of the trade association that, although they have united in gathering and disseminating information regarding their industry through their trade association, regarding statistical reports of industrial matters, regarding the amount of production of commodities, or regarding the use and value of their industry's facilities, and the rise and fall of market prices, nevertheless, they are not engaged in unlawful conspiracies in restraint of trade.

(To be continued)

As Never Before . . .

YOU SAVE TIME — YOU SAVE MONEY
with CONSOLIDATED Rebuilt Equipment

SPECIAL ITEMS FROM STOCK

2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up.
12—Vacuum Shelf Dryers, all sizes.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.s 2 gal. to 2,000 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
12—Ball Mills, 10 gal. to 500 gal.
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—No. 10 Sweetland Filter, 2" ee.; others all sizes.
14—Centrifugal Extractors, 16" to 60".
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.

Don't Forget our Regular Stock of the Finest Rebuilt Machinery and Equipment—Send for Complete Lists

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13-18 Park Row - - New York, N.Y.
SHOPS, 335 Doremus Avenue, Newark, N. J.

Murray Breese, president of the advertising firm, Murray Breese Associates, will speak before a group of drug manufacturers April 15 at 12:30 p.m. in the Advertising Club, New York. His topic will be "The Growing Importance of the Physician to Pharmaceutical Advertising."

M.C.A. Distributing Chart On Oleum Freezing Paint

OPD Washington Bureau
April 10, 1941

A new table and chart giving data on the freezing point of oleum has been issued in the form of a manual by the Manufacturing Chemists Association. The data were obtained through a research project conducted for the M. C. A. by the Case School of Applied Science into the equilibrium method for determining freezing points at various concentrations.

"California Mineral Production and Directory of Mineral Producers for 1939" is the title of a bulletin just issued by the California State Division of Mines, 217 West First street, Los Angeles, copies of which may be obtained from the department for ten cents.

Index to Advertisements

Advance Solvents & Chemical Corp..... 68
Alabama Charcoal Co..... —
Alexander, Jerome..... 46
Allied Asphalt & Mineral Corp..... —
American Agricultural Chemical Co..... 1
American Almond Products Co..... 59
American-British Chem. Supplies, Inc.... —
American Can Co..... 14
American Cyanamid & Chem Corp....12, 13
American Flange & Mfg. Co..... —
American Potash & Chemical Corp..... 54
American Turpentine Farmers Cooperative —
Anderson Prichard Oil Corp..... —
Angus, W. W., Inc..... —
Ansbacher-Siegle Corp..... 44
Apex Chemical Co., Inc..... 54
Asbestos Corp. of America..... 42
Association of Consulting Chemists and Chemical Engineers, Inc..... 46
Atlantic Coast Fisheries Co..... 54
Atlantic Refining Co..... 61
Atlas Powder Co..... —

Baker, J. T., Chemical Co..... 1
Barber Asphalt Corp..... 43
Barium & Chemicals, Inc..... 32
Barium Reduction Corp..... 30
Barrett Company..... 38, 63
Bemis Bro. Bag Co..... —
Benzol Products Co..... —
Berk, F. W., & Co., Inc..... 53
Binney & Smith Co..... 44
Brighton Copper Works..... —
Brode Corp., The..... 48
Bromund, E. A., Co..... —
Bureau of Chemistry..... 46
Burke, Edw. S..... 55
Bush, W. J., & Co., Inc..... —

Calco Chemical Div..... —
Calif. Fruit Growers Exchange..... 60
Capital City Products Co..... —
Carbide & Carbon Chemicals Corp..... 2
Carbo Chemical Co..... —
Carey, The Philip, Co..... —
Carolina Aniline & Extract Co., Inc..... —
Chemical Solvents, C. P., Inc..... 68
Chilean Nitrate Sales Corp..... —
Church & Dwight Co..... 30
Colgate-Palmolive-Peet Co..... 54
Colledge, E. W., General Sales Agent.... —
Colton, Arthur, Co..... 45
Columbia Chemical Div..... —
Commercial Solvents Corp..... —
Connor, A. P., & Company..... 50
Consolidated Products Co., Inc..... 66
Consumers Import Co., Inc..... 68
Continental Can Co..... 18
Cowles Detergent Co..... 32
Crosby Naval Stores, Inc..... —
Crown Can Co..... —

Darling & Co..... 47
Day Chemical Company..... 46
Desert Chemical Co..... —
Diamond Alkali Co..... 31
Dickhart, W. H..... 46
Dodge & Olcott Co..... —
Doggett, Stanley, Inc..... —
Donner-Hanna Coke Corp..... 40
Douglass Sulphur Co..... 33
Dow Chemical Co..... —
Dunkel, Paul A., & Co., Inc..... 56
Du Pont de Nemours, E. I., & Co., Inc..9, 67
Durez Plastics & Chemicals, Inc..... —

Eastman Kodak Co..... —
Edwal Laboratories, Inc..... 55
Ehrlich, J..... 46
Electro Bleaching Gas Co..... 11
Ellis-Foster Co..... 46
Emery Industries, Inc..... 47

Fairmount Chemical Co..... 55
Felton Chemical Co., Inc..... —
Fezandie & Sperrle..... 37
First Machinery Corp..... 66
Food Research Laboratories, Inc..... 46
Frank-Vliet Co., Inc..... —
Franks Chemical Products Co..... 42
Freeport Sulphur Co..... —
Fritzsche Bros., Inc..... 38, 61
Fulton Bag & Cotton Mills..... 33

Gartenberg, H., & Co..... —
General Chemical Co..... —
General Drug Company..... 19
General Electric Co..... —
Georgia Kaolin Co..... 41
Gesell, R., Inc..... —
Givaudan-Delawanna, Inc..... —
Gray, William S., & Co..... 1
Gray Industrial Laboratories..... 46
Greeff, R. W., & Co..... 53
Gross, A., & Co..... 48
Gruman, J. B., Co..... 65
Gunning & Gunning..... 52

Hallowell, Horace J..... 46
Hardesty, W. C., Co., Inc..... —
Harshaw Chemical Co..... —
Heekin Can Co..... 62
Heyden Chemical Corp..... 51
Holt, C. J., Co., Inc..... 46
Hooker Electrochemical Co..... 22
Hopkins, J. L., & Co..... 57
Horn, Jefferys, & Co..... 45
Huisking, Chas. L., & Co..... 54
Hutchinson, D. W., & Co., Inc..... 59

Imperial Paper & Color Corp..... 43
Independent Mfg. Co..... —
Industrial Consulting Labs., Inc..... 46
Innis, Speiden & Co..... 26
International Pulp Co..... —
International Selling Corp..... —
Irvington Smelting & Refining Works..... 30

Jackle, Frank R..... —
Jones & Laughlin Steel Corp..... 40
Jungmann & Co., Inc..... —

Kachurin Drug Co..... —
Keico Co..... 57
Kentucky Color & Chemical Co..... 43
Kessler Chemical Co., Inc..... —
Khosrovschahi, Morteza..... 58
Knight, B. H..... 46
Koppers Company..... 39

Krebs Pigment & Color Corp..... —
Laning, E. M., Co..... 46
LaWall & Harrisson..... 46
Leghorn Trading Co..... 52
Lemke, B. L., Fine & Rare Chemicals... —
Leonhard, Theodor, Wax Co., Inc..... —
Leuders, George, & Co..... 59

Magnetic Pigment Co..... 44
Magnus, Mabee & Reynard, Inc..... 59
Mallinckrodt Chemical Works..... 6
Mantrose Corp..... —
Marine Magnesium Products Corp..... 67
Mathieson Alkali Works, Inc..... —
Mathieu, A. H., & Co..... 30
McKesson & Robbins, Inc..... —
Merck & Co., Inc..... 34, 35
Metallurgical Products Co..... 32
Metasap Chemical Co..... —
Meyer, Herman, Drug Co., Inc..... —
Michigan Alkali Co..... —
Millmaster Chemical Co..... —
Mills, Zophar, Inc..... —
Minnesota Specialty Co..... —
Molnar Laboratories..... 46
Monsanto Chemical Co..... —
Munch, James C..... 46
Mutual Chemical Co. of America..... 37

National Aniline & Chemical Co., Inc.... —
National Box & Lumber Co..... —
National Lead Co..... —
National Milk Sugar Co..... 52
National Rosin Oil & Size Co..... 45
Natural Products Refining Co..... 37
Neuberg Chemical Corp..... 54
Neville Co..... —
New Jersey Zinc Co..... 27
N. Y. Quinine & Chemical Works, Inc.... —
Niagara Alkali Corp..... —
Niacet Chemicals Corp..... 37

Oldbury Electro-Chemical Co..... 33
Orbis Products Corp..... —
Ortlmann Laboratories, Inc..... 46
Osborn, C. J., Co..... —

Pacific Alkali Co..... —
Pacific Coast Borax Co..... 1
Pacific Vegetable Oil Corp..... —
Paramet Chemical Corp..... 41
Parsons, M. W..... 55
Penick, S. B., & Co..... 56
Pennsylvania Coal Products Co..... —
Pennsylvania Industrial Chem. Corp..... 43
Pennsylvania Refining Co..... 60
Pennsylvania Salt Mfg. Co..... —
Pfaltz & Bauer, Inc..... —
Pfizer, Chas., & Co., Inc..... 29
Phelps Dodge Refining Co..... 33
Philadelphia Quartz Co..... —
Phosphate Mining Co..... 30
Pittsburgh Plate Glass Co..... —
Polachek, Z. H..... 46
Potash Co. of America..... 63
Prior Chemical Corp..... 1
Procter & Gamble..... 47, 52
Publicker Commercial Alcohol Co..... —
Purdy, W. S., Co., Inc..... 46
Pure Calcium Products Division..... 1

Raisch, John E., & Co..... 46
Reed-Blair Laboratories..... 46
Reichhold Chemicals, Inc..... 17
Republic Steel Corp..... 40
Robinson Wagner Co..... 55
Rosenthal, H. H., Co., Inc..... —
Rufert Chemical Co..... 61

Sadtler, Samuel P., & Son, Inc..... 46
St. Joseph Lead Co..... —
Schuylkill Chemical Co..... 68
Schwarz Laboratories, Inc..... 46
Seil, Putt & Rusby, Inc..... 46
Seydel Chemical Co..... 55
Sharples Solvents Corp..... 68
Shell Oil Co..... —
Sherwood Petroleum Co., Inc..... 61
Skelly Oil Co..... 21
Smith, Kline & French Labs..... —
Snell, Foster D., Inc..... 46
Socony-Vacuum Oil Co., Inc..... —
Solvay Sales Corp..... 28
Sonneborn, L., Sons, Inc..... —
Southern Acid & Sulphur Co., Inc..... —
Sparkler Mfg. Co..... —
Standard Alcohol Co..... 42
Standard Brands, Inc..... —
Standard Oil Co. of Calif..... —
Standard Specialty & Tube Co..... 55
Standard Synthetics, Inc..... —
Standard Ultramarine Co..... 43
Stauffer Chemical Co..... 32
Stillman & Van Sicien, Inc..... 46
Stillwell & Gladding..... 46
Stroock & Wittenberg Corp..... 45
Sun Oil Co..... —

Taintor Trading Co., Inc..... 45
Tamms Silica Co..... 45
Tar & Chemical Div. of Koppers Co..... 39
Tar Residuals, Ltd..... 40
Tennessee Corp..... —
Texas Gulf Sulphur Co., Inc..... —
Thompson-Hayward Chemical Co..... 37
Thornton, F. C., Co..... 48
Thurston & Braidich..... 56
Titanium Pigment Corp..... 24
Todd, A. M., Co..... 58
Tombarel Products Corp..... 59
Truesdail Laboratories, Inc..... 46
Turner, Joseph, & Co..... 54

Union Carbide & Carbon Corp..... 2
U. S. Industrial Chemicals, Inc..... 44
United States Potash Co..... 63

Vanderbilt, R. T., Co., Inc..... —
Victor Chemical Works..... 32
Viking Distributing Co..... 61
Vitro Mfg. Co..... —
Vol-U-Meter Co..... —

Wah Chang Trading Corp..... 48
Warner Chemical Co..... —
Weiss & Downs, Inc..... 46
White Tar Co. of N. J..... 39
Wiley & Co., Inc..... 46
Will & Baumer Candle Co., Inc..... 49
Williams, C. K., & Co..... 42
Wilson-Martin Div..... 48
Wishnick-Tumpeer, Inc..... 10
Woburn Degreasing Co. of N. J..... —
Wolf, Jacques, & Co..... —
Wood Preserving Corp..... 39
Woodridge Mfg. Div..... 52

Zophar Mills, Inc..... —

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